



MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Greenheck Fan Corporation
P. O. Box 410.
Schofield, WI 54476

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model EVH-602D Aluminum Louver with and without VCD-40 Damper

APPROVAL DOCUMENT: Drawing No. MD-101, titled "EVH-602D Louver w/VCD-40 Damper", sheets 1 through 12 of 12, dated 06/16/2006, with revision 3 dated 07/14/2011, prepared by Greenheck Fan Corporation, signed and sealed by L. David Rice P.E., bearing the Miami-Dade County Product Control revision stamp with the NOA number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA # 06-0711.11 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
02/09/2012

NOA No. 11-1103.01
Expiration Date: December 7, 2016
Approval Date: February 16, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-101**, titled "EVH-602D Louver w/VCD-40 Damper", sheets 1 through 12 of 12, dated 06/16/2006, with revision 3 dated 07/14/2011, prepared by Greenheck Fan Corporation, signed and sealed by L. David Rice, P.E.

B. TESTS "*Submitted under NOA # 06-0711.11*"

1. Test report on Large Missile Impact Test per FBC, PA 201, Cyclic Wind Pressure Test per FBC, PA 203, and Uniform Static Air Pressure Test per FBC, PA 202 of a "EVH-602D fixed Aluminum Louver" prepared by Architectural Testing, Inc., Test Report No. **63777.01-602-18**, dated 06/05/2006, signed and sealed by Joseph A. Reed, P.E.
2. Test report on Wind and Wind Driven Rain Resistance per FBC, TAS 100(A) of a "EVH-602D with VCD-40 Fixed Aluminum Louver with Damper", prepared by Architectural Testing Inc., Test Report No. **62173.01-122-44**, dated 03/14/2006 and revised on 05/11/2006, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. Stress, deflection and anchorage calculations prepared by Rice Engineering, dated 10/28/2011, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

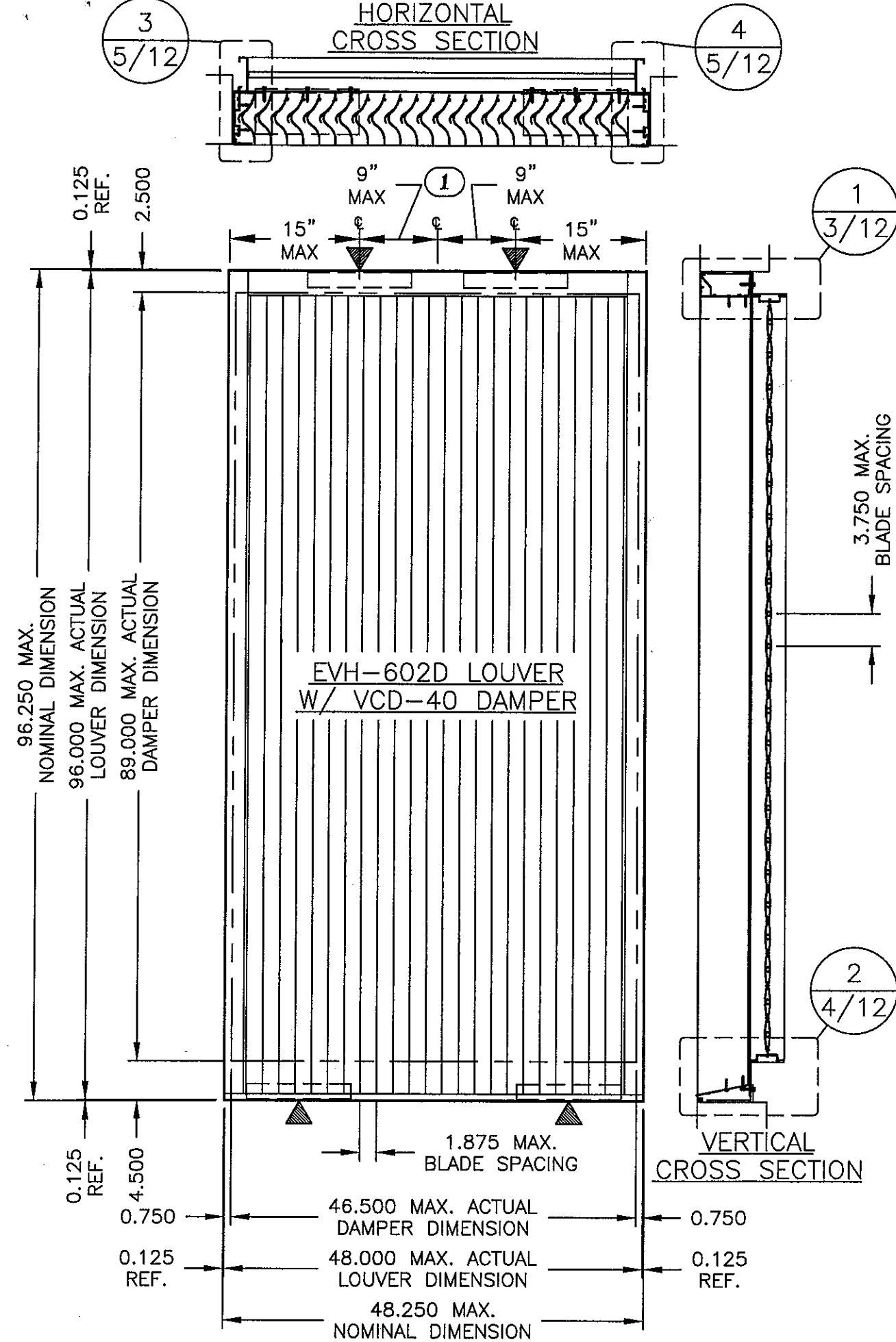
1. Statement letter of code conformance to FBC 2007 and 2010, issued by Rice Engineering, dated 10/28/2011 and 12/22/2011, signed and sealed by L. David Rice, P.E.
2. No financial interest letter issued by Rice Engineering, dated 10/28/2011, signed and sealed by L. David Rice, PE.


02/09/2012

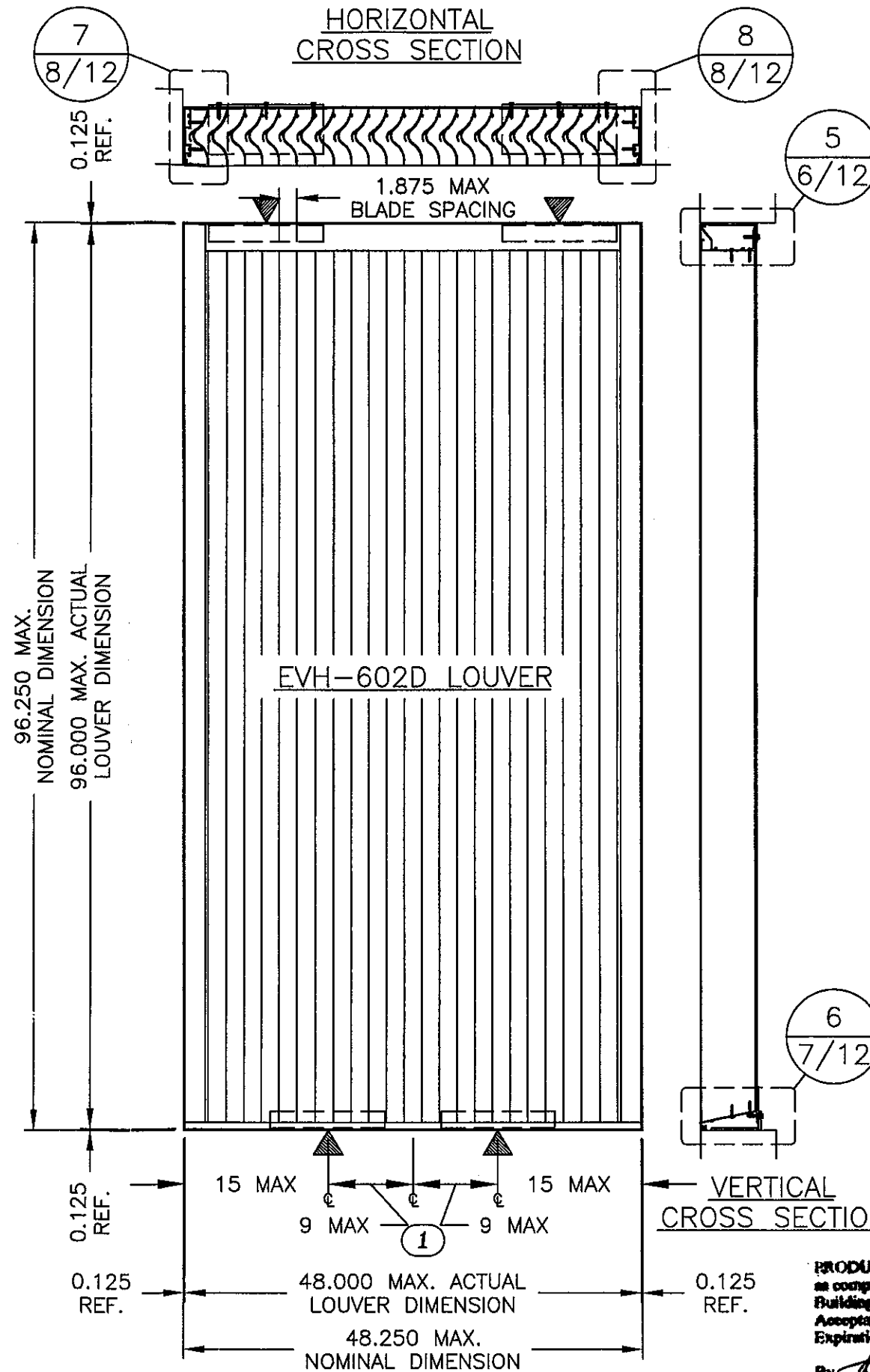
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 11-1103.01

Expiration Date: December 7, 2016
Approval Date: February 16, 2012

▲ = ANCHOR LOCATION (REFER TO CHART ON 9/12 FOR QUANTITY AND SIZE)



▲ = ANCHOR LOCATION (REFER TO CHART ON 9/12 FOR QUANTITY AND SIZE)



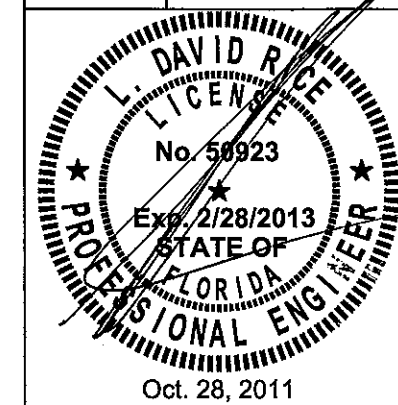
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1103.01
Expiration Date 12/07/2016
By [Signature]
Miami Trade Product Control

REVISION	BY	DATE	SYM
ADD ANCHOR SPACING	CWC	10/19/2006	(1)

DRAWN BY BRINKMAN	DATE 6/16/2006	SHEET NO. 1 OF 12	CAD DRAWING NO. MD-101
SCALE 1/16			

GREENHECK
P.O. BOX 410 SCHOFIELD,
WISCONSIN 54476-0410

TITLE
EVH-602D LOUVER W/
VCD-40 DAMPER
AND EVH-602D LOUVER
ELEVATIONS



RICE ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: 920.845.1042
Fax: 920.845.1048
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #909
L. David Rice
Registration No: 50923

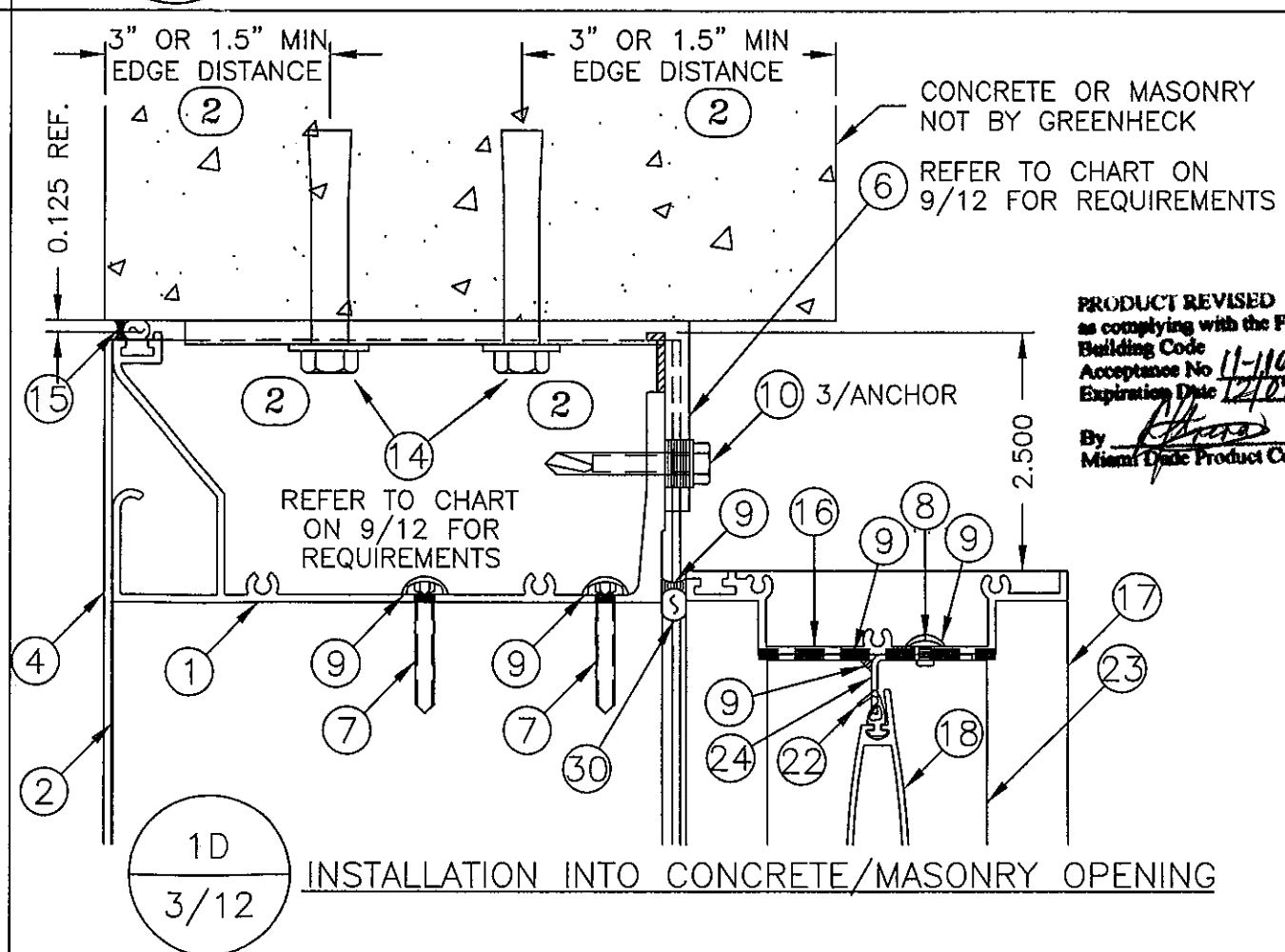
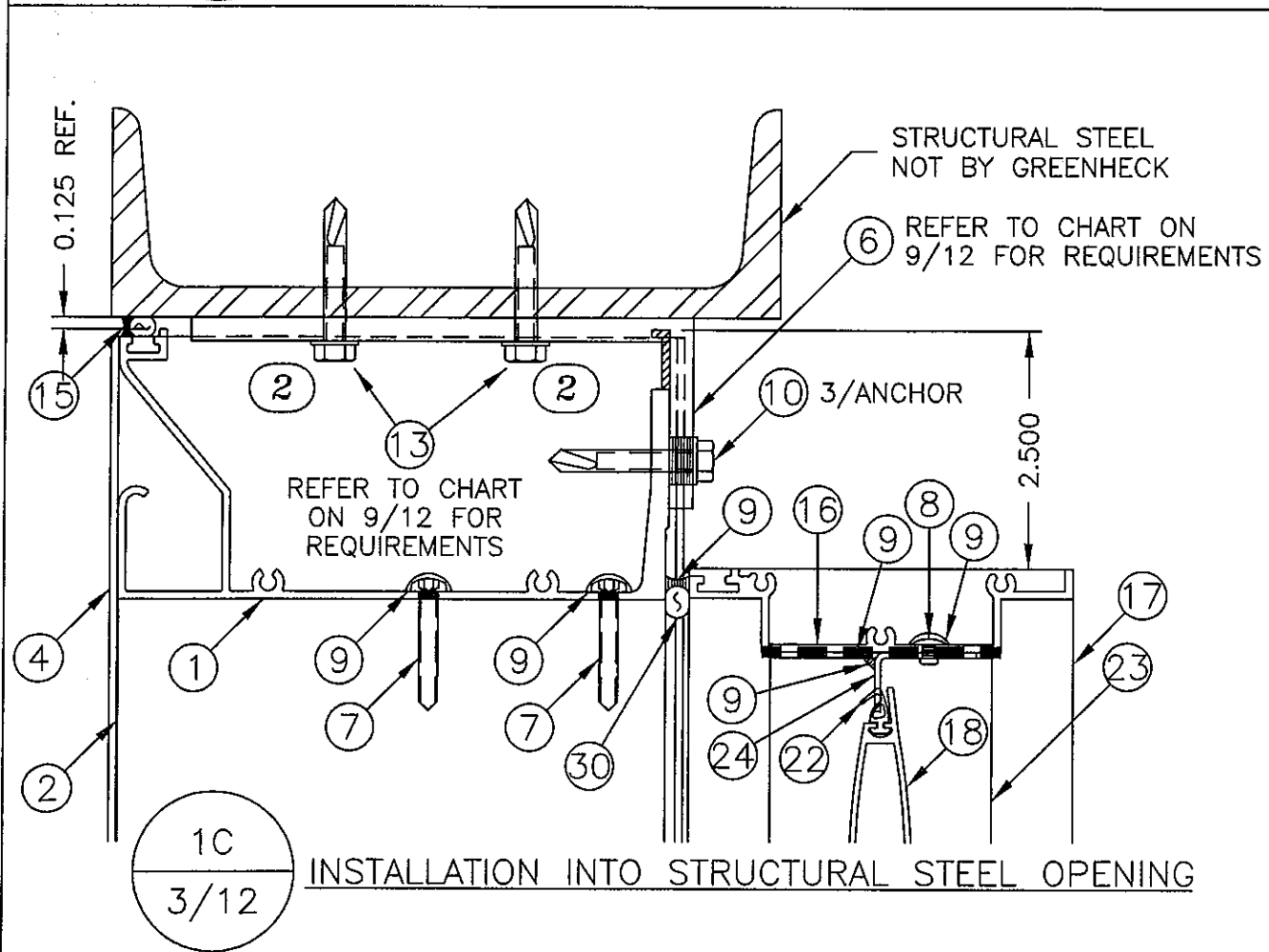
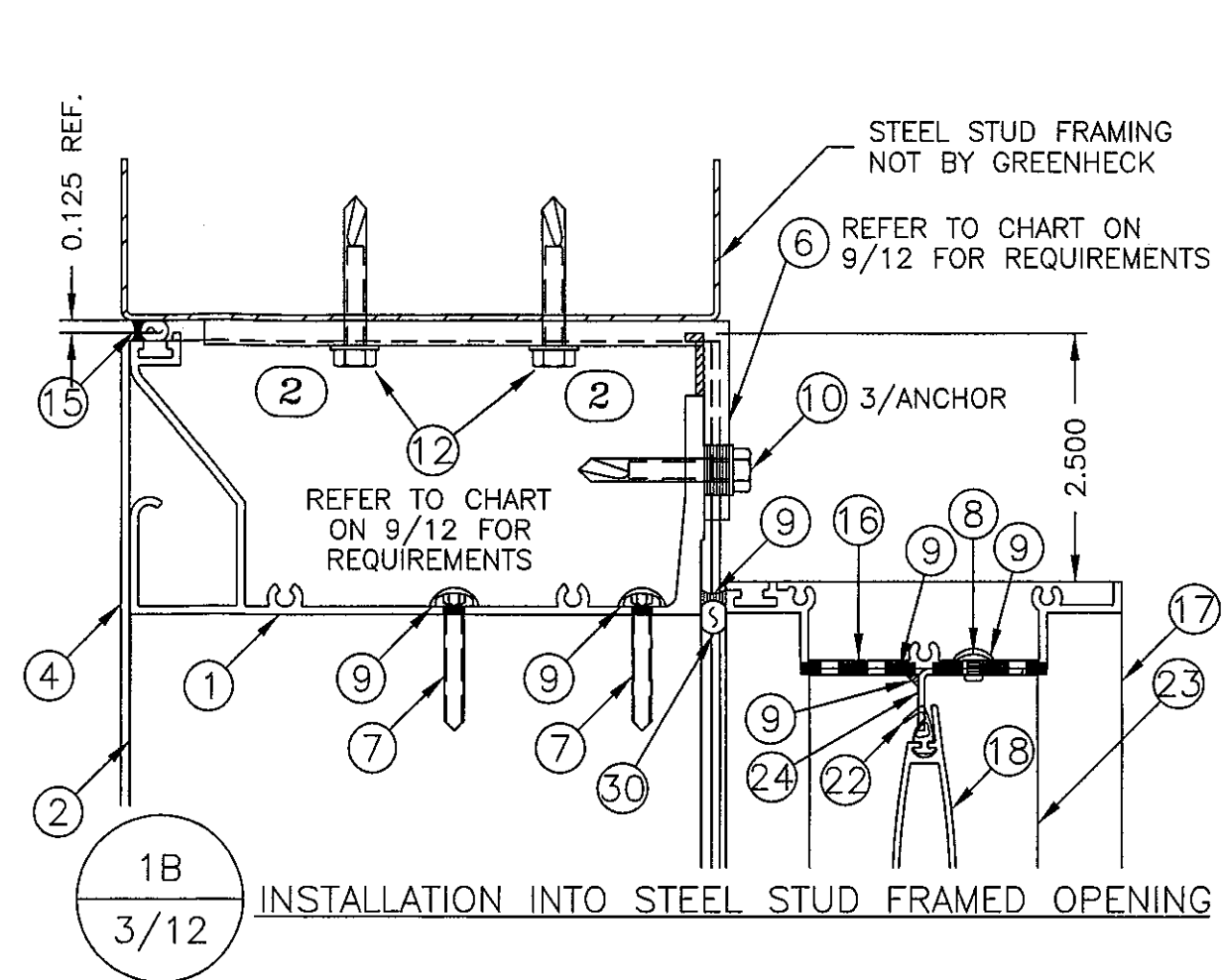
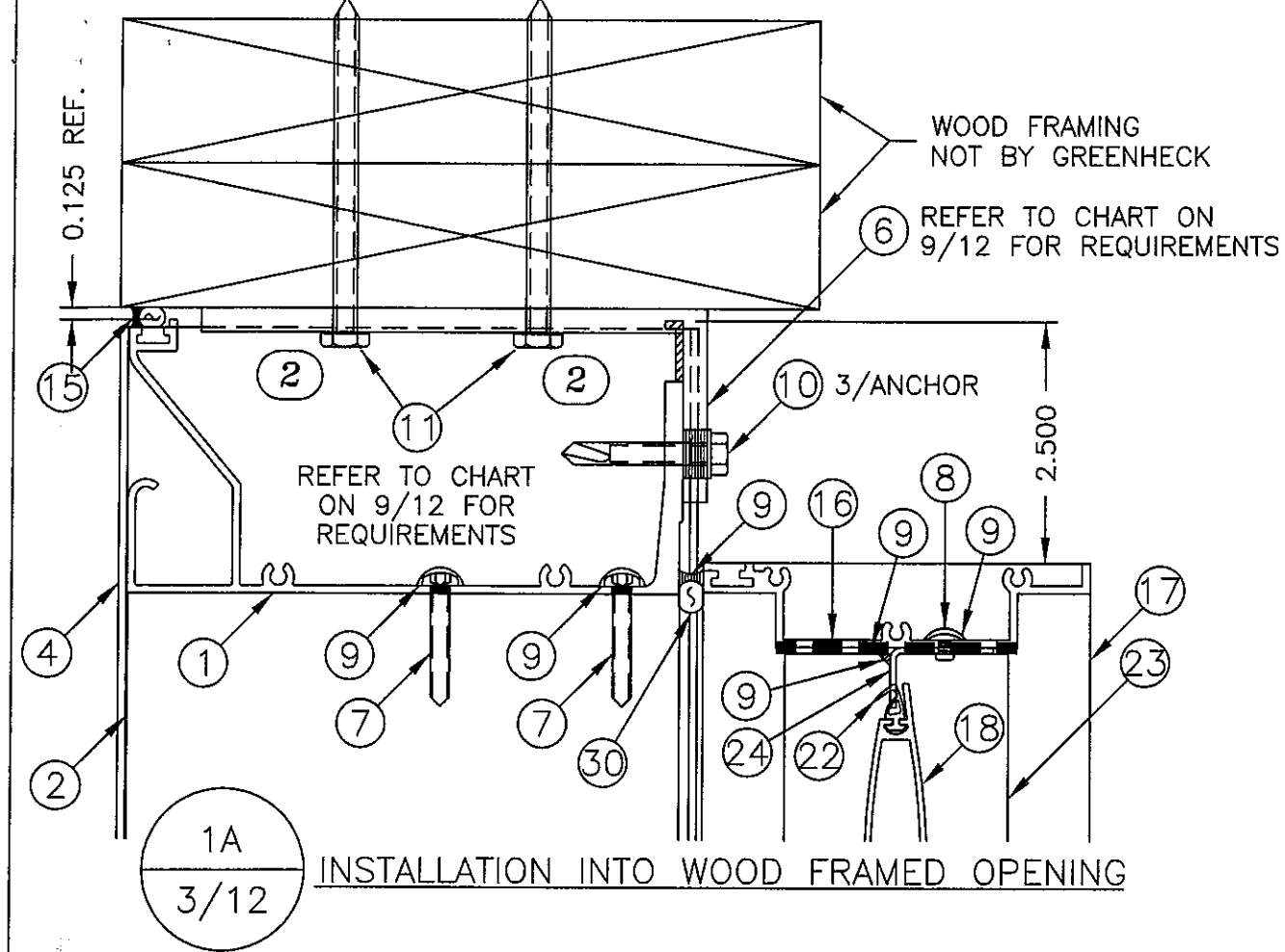
GENERAL NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THE LOUVERS.
2. THE EVH-602D AND EVH-602D/VCD-40 HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) AND TEST PROTOCOLS TAS-201 (IMPACT), TAS-202 (UNIFORM STATIC PRESSURE), AND TAS-203 (CYCLIC FATIGUE). THE EVH-602D/VCD-40 HAS BEEN TESTED IN ACCORDANCE WITH TAS100(A)-95 (WIND DRIVEN RAIN).
3. MAXIMUM SINGLE SECTION SIZE IS 48" WIDE X 96" HIGH.
4. MAXIMUM ASSEMBLED LOUVER SIZE IS UNLIMITED WIDE X 96" HIGH.
5. SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.
6. ALL WOOD SUBSTRATE SHALL BE SG = 0.42 S.P.F OR BETTER. (3)
7. ALL METAL STUD SUBSTRATE SHOULD BE MIN. 16 GA. FY = 50 KSI.
8. ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. 1/4" THICK FY = 36 KSI.
9. ALL CONCRETE SUBSTRATE SHALL BE MIN. 3000 PSI.
10. CONCRETE MASONRY SHALL BE ASTM C90, TYPE II, 2500 PSI MIN. (3) GROUT-FILLED.
11. LOUVER ASSEMBLY IS TO BE ANCHORED AT HEAD AND SILL ONLY. NO ANCHORAGE IS REQUIRED AT THE JAMBS.
12. LOUVER ASSEMBLY IS QUALIFIED FOR A MAXIMUM DESIGN LOAD OF +/- 150 PSF.
13. LOUVER ASSEMBLY IS QUALIFIED FOR LARGE AND SMALL MISSILE IMPACT RESISTANCE.
14. LOUVER ASSEMBLY WITHOUT VCD-40 DAMPER SHALL ONLY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
15. LOUVER ASSEMBLY WITH VCD-40 DAMPER MAY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM OR THE ROOM WILL HOUSE NON-WATER RESISTANT/ WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES. (3)
16. INSTALLER TO PROVIDE SEPARATION OF DISSIMILAR MATERIALS AS REQUIRED.
17. THE VCD-40 MAY BE OPERATED BY THE MANUAL QUADRANT SHOWN ON 12/12 OR BY AN ELECTRIC OR PNEUMATIC ACTUATOR. THE DAMPER'S ACTUATOR IS NOT PART OF THIS APPROVAL, BUT SHALL BE CERTIFIED BY AN INDEPENDENT TESTING AGENCY.
18. FRAME CONSTRUCTION. HEADS AND SILLS ARE SQUARE CUT. JAMBS SQUARE CUT @HEAD AND MITERED @SILL. CORNERS ARE SECURED WITH (2) #10x1-1/4 SMS AND SILICONE SEALED. BLADES ARE SECURED TO HEAD AND SILL WITH (2) #10x1-1/4 SMS AND WELDED @EACH END.

ITEM #	DESCRIPTION	MATERIAL	NOTES
1	LOUVER HEAD	6063-T5 ALUMINUM	
2	LOUVER BLADE	6063-T5 ALUMINUM	1.88 MAX. SPACING
3	LOUVER SILL	6063-T5 ALUMINUM	
4	LOUVER JAMB	6063-T5 ALUMINUM	
5	LOUVER BLANK-OFF (AS REQ'D)	6063-T5 ALUMINUM	NOT REQUIRED W/ VCD-40 DAMPER
6A	ANCHOR (8.0 LONG)	6063-T5 ALUMINUM	REFER TO CHART ON 9/12
6B	ANCHOR (10.0 LONG)	6063-T5 ALUMINUM	REFER TO CHART ON 9/12
6C	ANCHOR (12.00 LONG)	6063-T5 ALUMINUM	REFER TO CHART ON 9/12
7	#10 X 1.25 TPH TYPE AB SMS	316 SS	7.75" MAX O.C. SPACING (DAMPER ATTACHMENT)
8	1/8 DIA. BLIND RIVET	ALUMINUM	3" FROM END & 14" O. C. MAX. SPACING
9	SILICONE SEALANT	SILICONE SEALANT	
10	INSTALLATION FASTENER	1/4-20 X 1.50 SELF DRILLING	GRADE 5 MIN, PLATED OR SS
11	ANCHOR FASTENER (BY OTHERS)	1/4 DIA. WOOD SCREW	REFER TO CHART ON 9/12
12	ANCHOR FASTENER (BY OTHERS)	1/4-14 AISI 1022 SELF-DRILLING SCREW	REFER TO CHART ON 9/12
13	ANCHOR FASTENER (BY OTHERS)	1/4-20 HILTI DRIL-FLEX	REFER TO CHART ON 9/12
14A	ANCHOR FASTENER (BY OTHERS)	3/8 HILTI KWIK BOLT	REFER TO CHART ON 9/12
14B	ANCHOR FASTENER (BY OTHERS)	1/4 ITW TAPCON	REFER TO CHART ON 9/12
15	PERIMETER SEAL (BY OTHERS)		
16	DAMPER HEAD/SILL	6063-T5 ALUMINUM	
17	DAMPER JAMB	6063-T5 ALUMINUM	
18	DAMPER BLADE	6063-T5 ALUMINUM	3.75 MAX. SPACING
19A	NON-DRIVE DAMPER AXLE ASSY.	ZC STEEL PIN W/ DELRIN BUSHING	
19B	NON-DRIVE DAMPER AXLE ASSY.	ZC STEEL PIN W/ BRONZE BUSHING	
19C	NON-DRIVE DAMPER AXLE ASSY.	ZC STEEL PIN W/ SS BUSHING	
19D	NON-DRIVE DAMPER AXLE ASSY.	SS PIN W/ DELRIN BUSHING	
19E	NON-DRIVE DAMPER AXLE ASSY.	SS PIN W/ BRONZE BUSHING	
19F	NON-DRIVE DAMPER AXLE ASSY.	SS PIN W/ SS BUSHING	
20A	DRIVE-SIDE DAMPER AXLE ASSY.	ZC/GALV. STEEL	UNIQUE SHAPE AT DRIVER BLADE
20B	DRIVE-SIDE DAMPER AXLE ASSY.	SS	UNIQUE SHAPE AT DRIVER BLADE
21A	DAMPER AXLE BUSHING	DELRIN	
21B	DAMPER AXLE BUSHING	BRONZE	
21C	DAMPER AXLE BUSHING	SS	
22A	DAMPER BLADE SEAL	EPDM	
22B	DAMPER BLADE SEAL	SILICONE	
23	DAMPER JAMB SEAL	SS	
24	DAMPER TOP/BOTTOM CLOSURE	ALUMINUM	HEIGHT VARIES
25A	DAMPER LINKAGE BAR	GALV. STEEL	
25B	DAMPER LINKAGE BAR	SS	
26	FORMED "Z" CLIP	ALUMINUM	12.00 MAX. SPACING
27	#10 X .50 TEK	ZP	6.50 MAX. SPACING
28	SHIM AT LOUVER/DAMPER	ALUMINUM	
29	BLANK-OFF AT LOUVER/DAMPER	ALUMINUM	WIDTH VARIES
30	FOAM TAPE BACKER		USED AT HEAD
31	#8 X .75 TPH TYPE AB SMS	18-8 SS	
32A	1/4 DIA. E-CLIP	ZP	
32B	1/4 DIA. E-CLIP	SS	
33A	DAMPER BLADE DRIVE LEVER	GALV. STEEL	
33B	DAMPER BLADE DRIVE LEVER	SS	
34	REINFORCING STRAP	ALUMINUM	
35A	1/4-20 X 1.25 HH CS	ZP	
35B	1/4-20 X 1.5 HH CS	SS	
36A	1/4-20 SF NUT	ZP	
36B	1/4-20 SF NUT	SS	
37	DAMPER MANUAL QUAD ASSY.		
38	#14 X .75 TEK	ZP	
39	1/4-20 X .562 BALL SWIVEL	ZP	
40	5/16 DIA. LINKAGE ROD	ZP	
41	DEADLOAD SHIM (BY OTHERS)		
42	OPTIONAL FLANGE	6063-T5 ALUMINUM	

SYN	DATE	BY	DATE	DATE	DATE
(3)	7/14/2011	MES			
REVISION			REVISE NOTES		
DRAWN BY			DATE		
BRINKMAN			6/16/2006		
SCALE			SHEET NO.		
			2 OF 12		
			CAD DRAWING NO.		
			MD-101		
GREENHECK			EVH-602D LOUVER W/ VCD-40 DAMPER AND EVH-602D LOUVER		
P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410			NOTES/BILL OF MATERIAL		
TITLE			EVH-602D LOUVER W/ VCD-40 DAMPER AND EVH-602D LOUVER		
L. DAVID RICE			No. 50923		
PROFESSIONAL ENGINEER			Exp. 2/28/2013		
STATE OF FLORIDA			Oct. 28, 2011		
RICE ENGINEERING			105 School Creek Trail		
			Luxemburg, WI 54217		
			Phone: 920.845.1042		
			Fax: 920.845.1048		
			www.rice-inc.com		
Florida Firm No: F-01000005061			Certificate of Authorization: #9090		
L. David Rice			Registration No: 50923		

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1103.01
Expiration Date 12/07/2016
By [Signature]
Miami Dade Product Control



REVISION	BY	DATE	SYM
1	MES	07/14/2011	(2)

DRAWN BY
BRINKMAN

DATE
6/19/2006

SCALE
1/2

SHEET NO.
3 OF 12

CAD DRAWING NO.
MD-101



GREENHECK
P.O. BOX 410 SCHOFIELD,
WISCONSIN 54476-0410

EVH-602D LOUVER W/
VCD-40 DAMPER
HEAD DETAILS

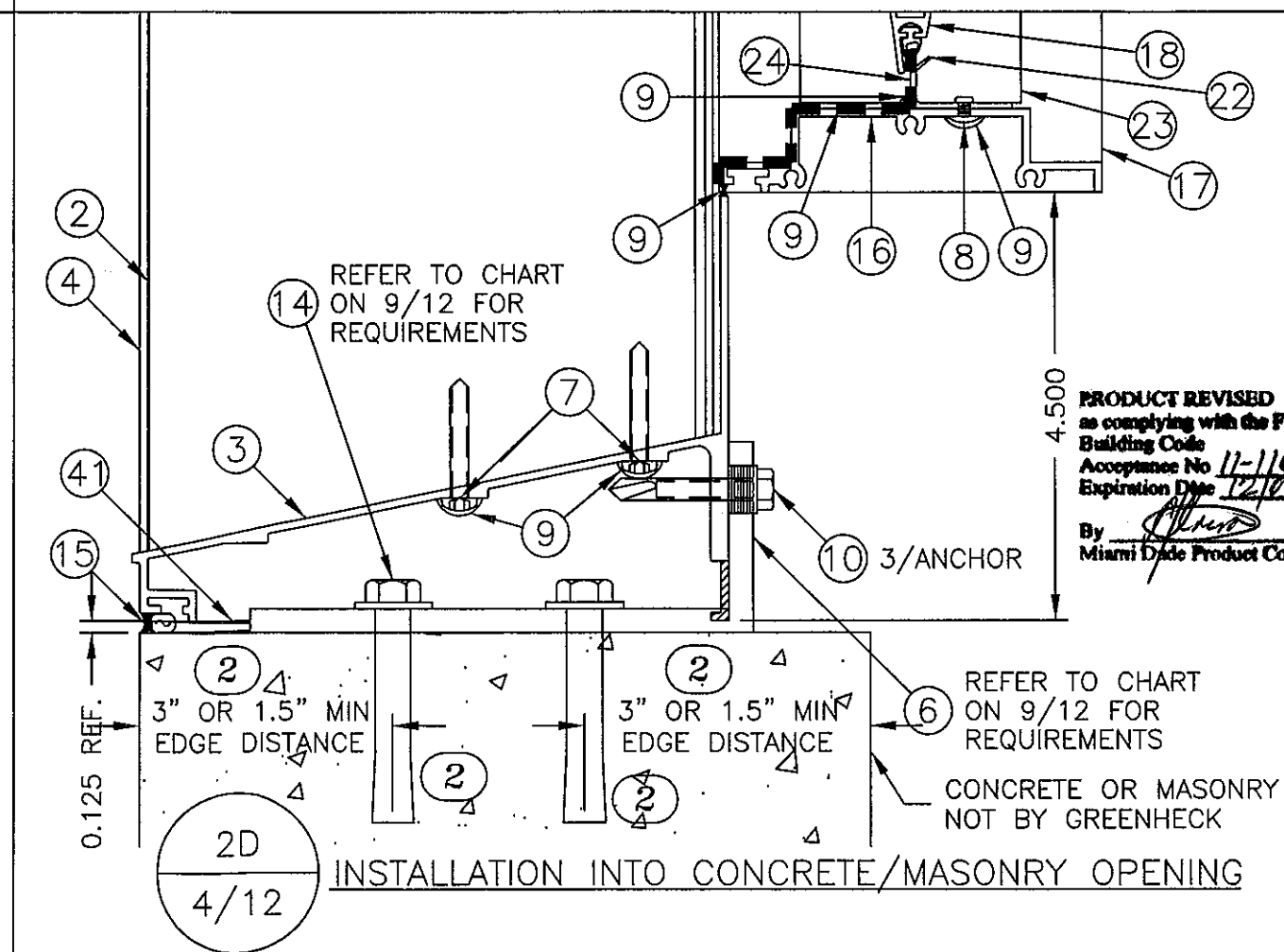
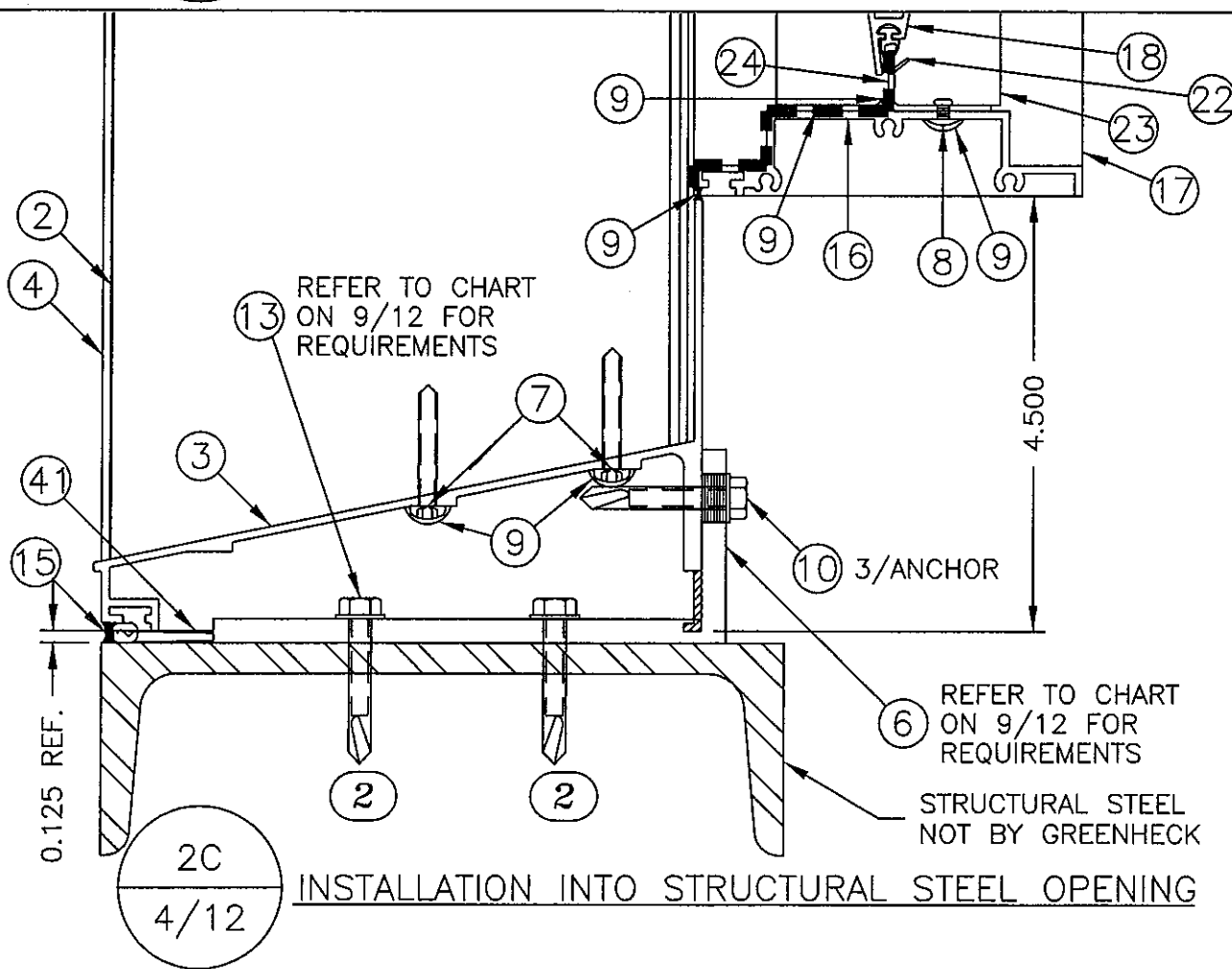
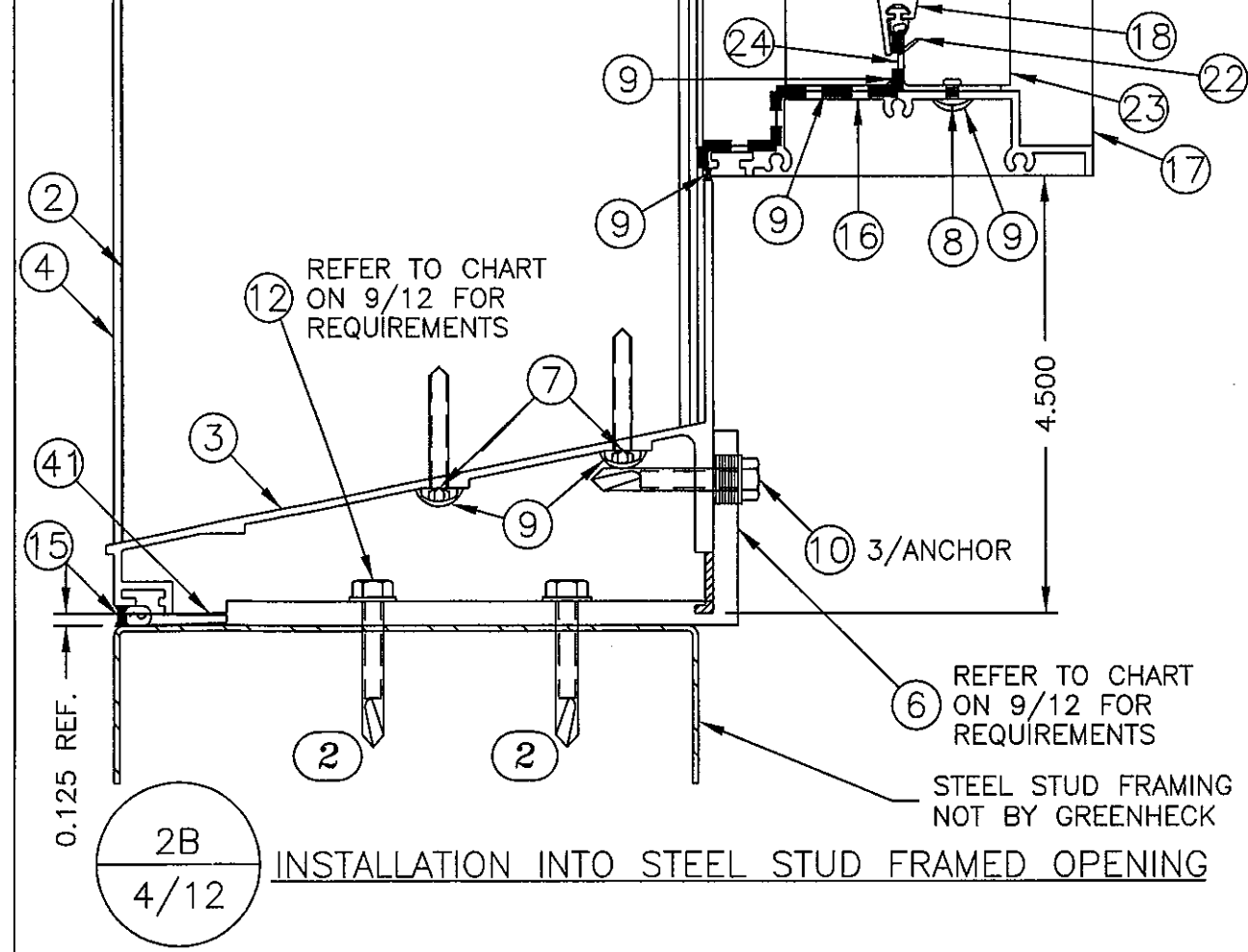
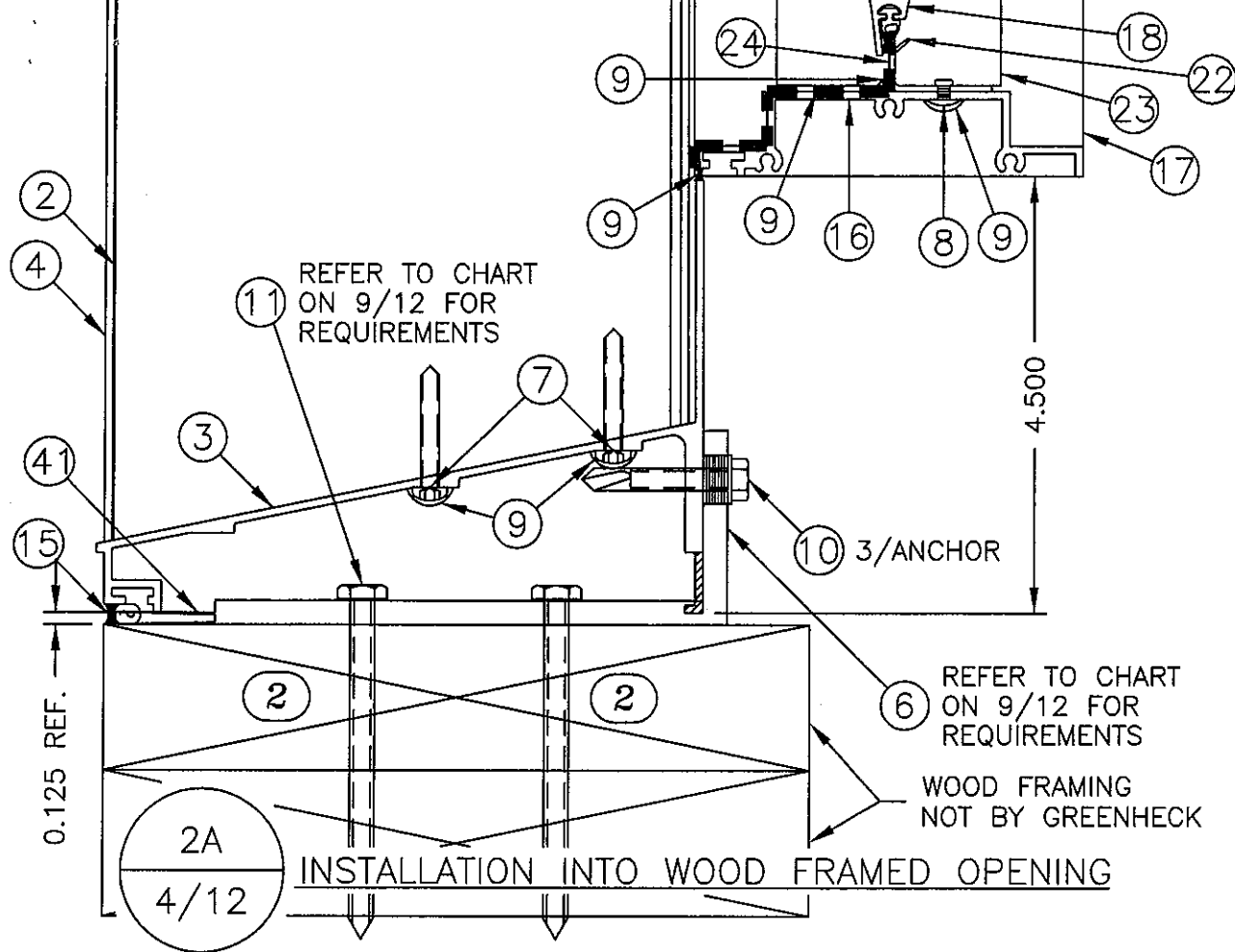
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Miami Date Product Control

Oct. 28, 2011

RICE
ENGINEERING

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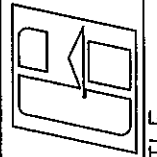
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	MES	07/14/2011	(2)

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BRINKMAN	6/19/2006

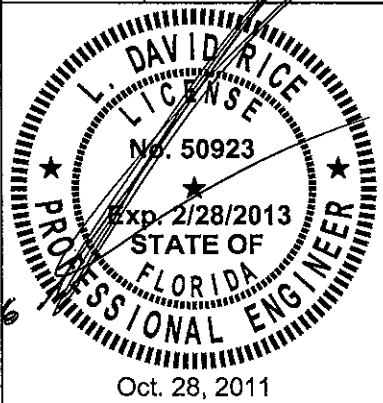
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1/2	4 OF 12

CAD DRAWING NO.	MD-101
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P.O. BOX 410 SCHOFIELD,
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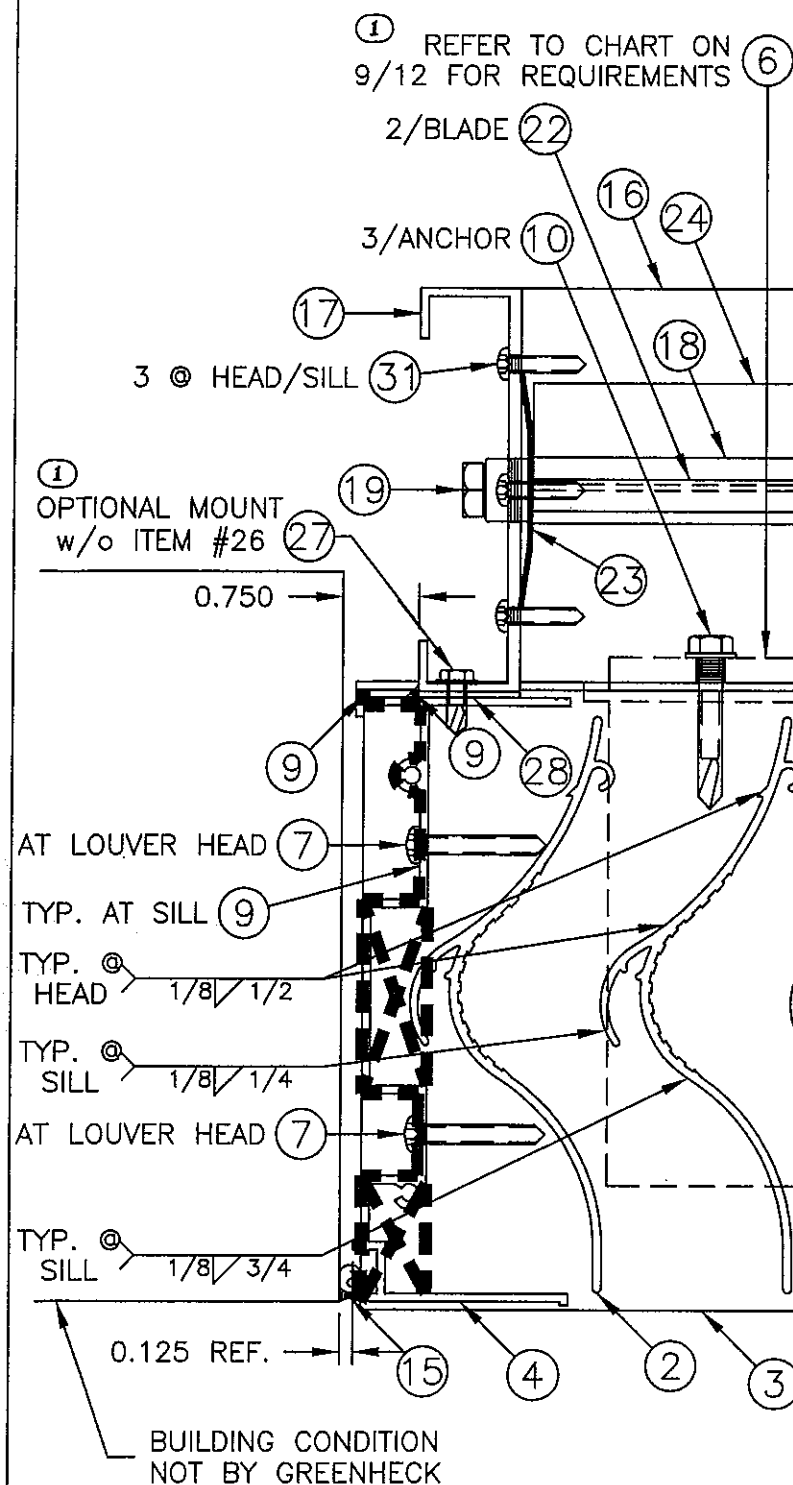
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VCD-40 DAMPER
SILL DETAILS



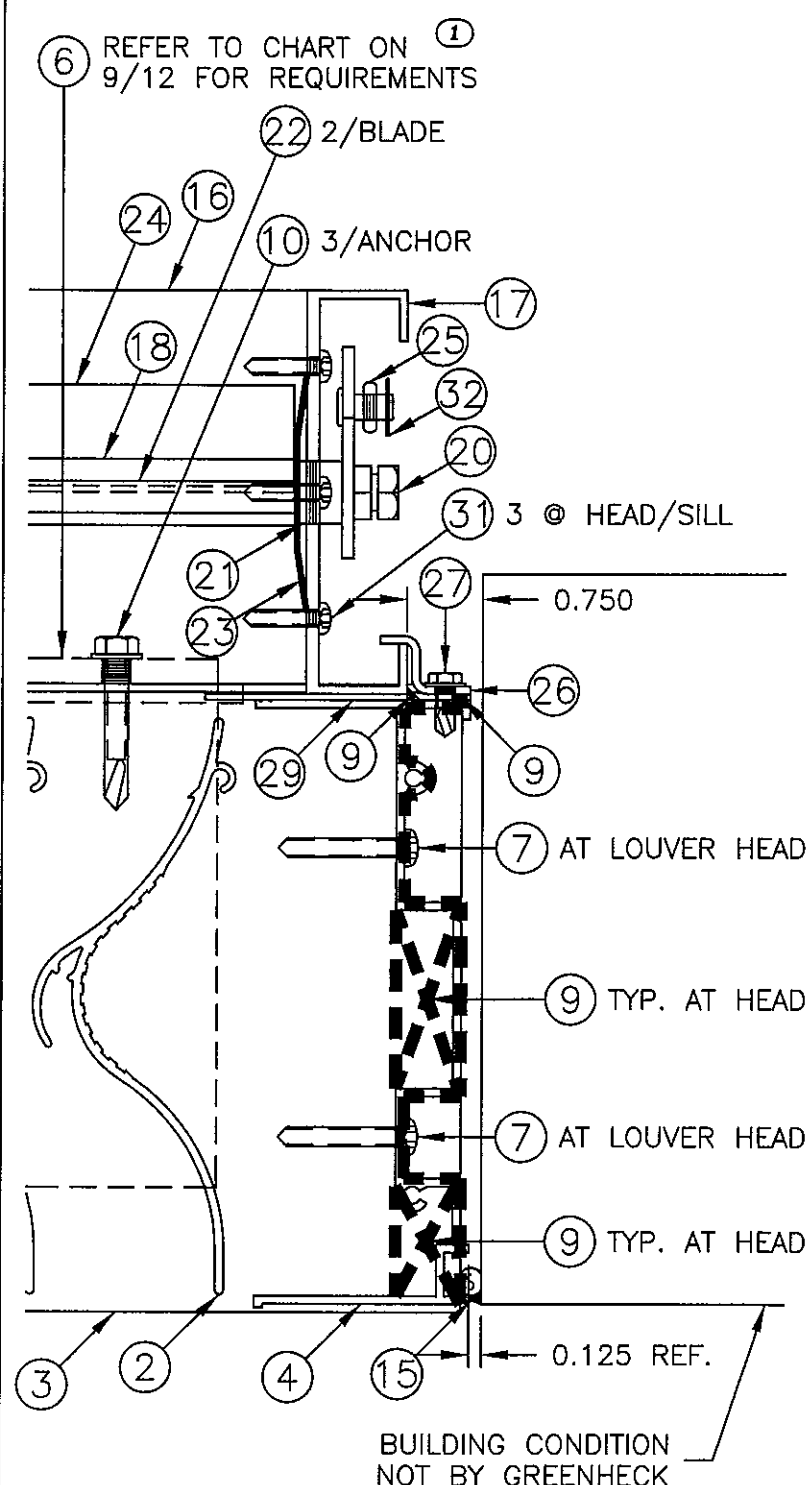
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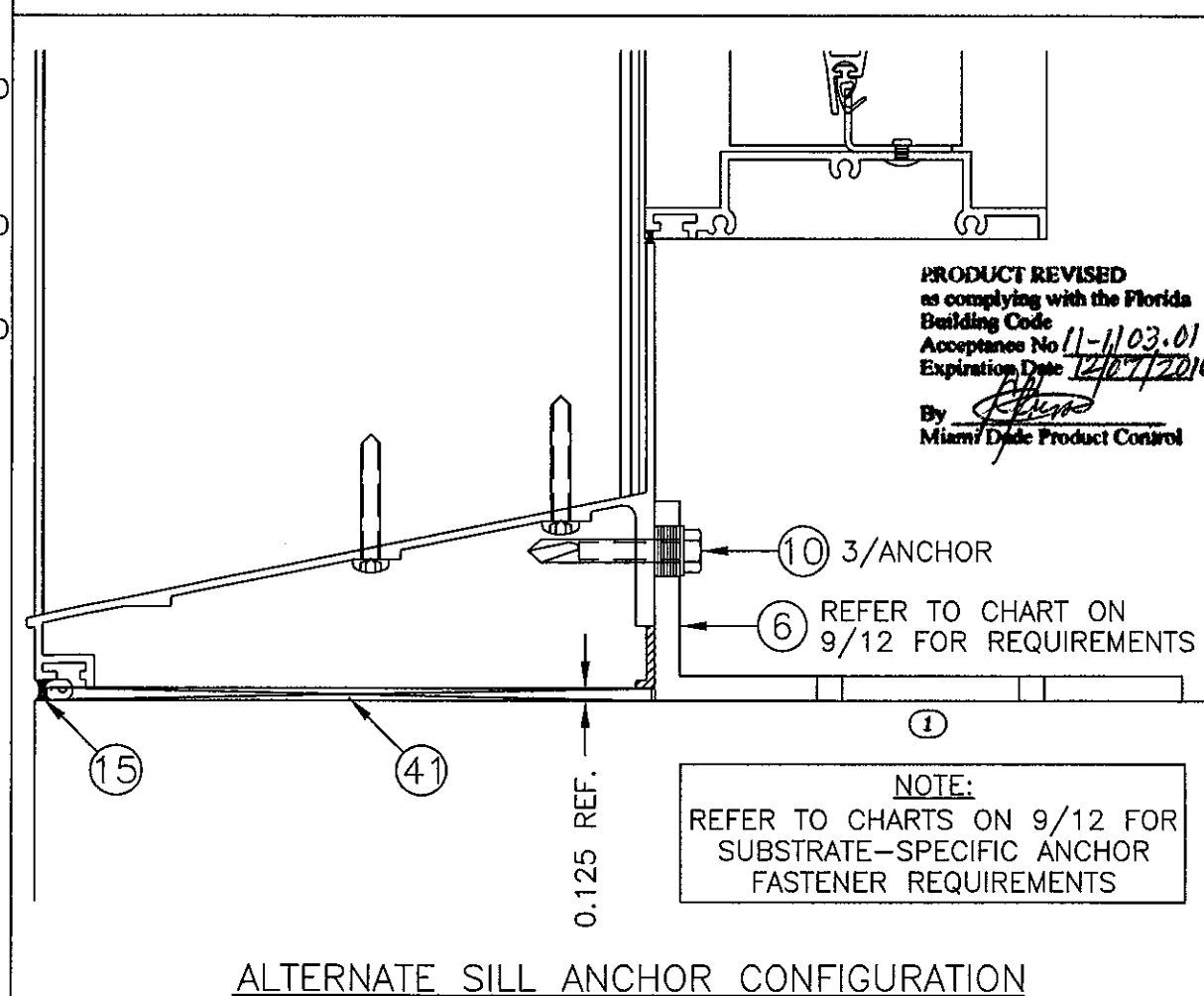
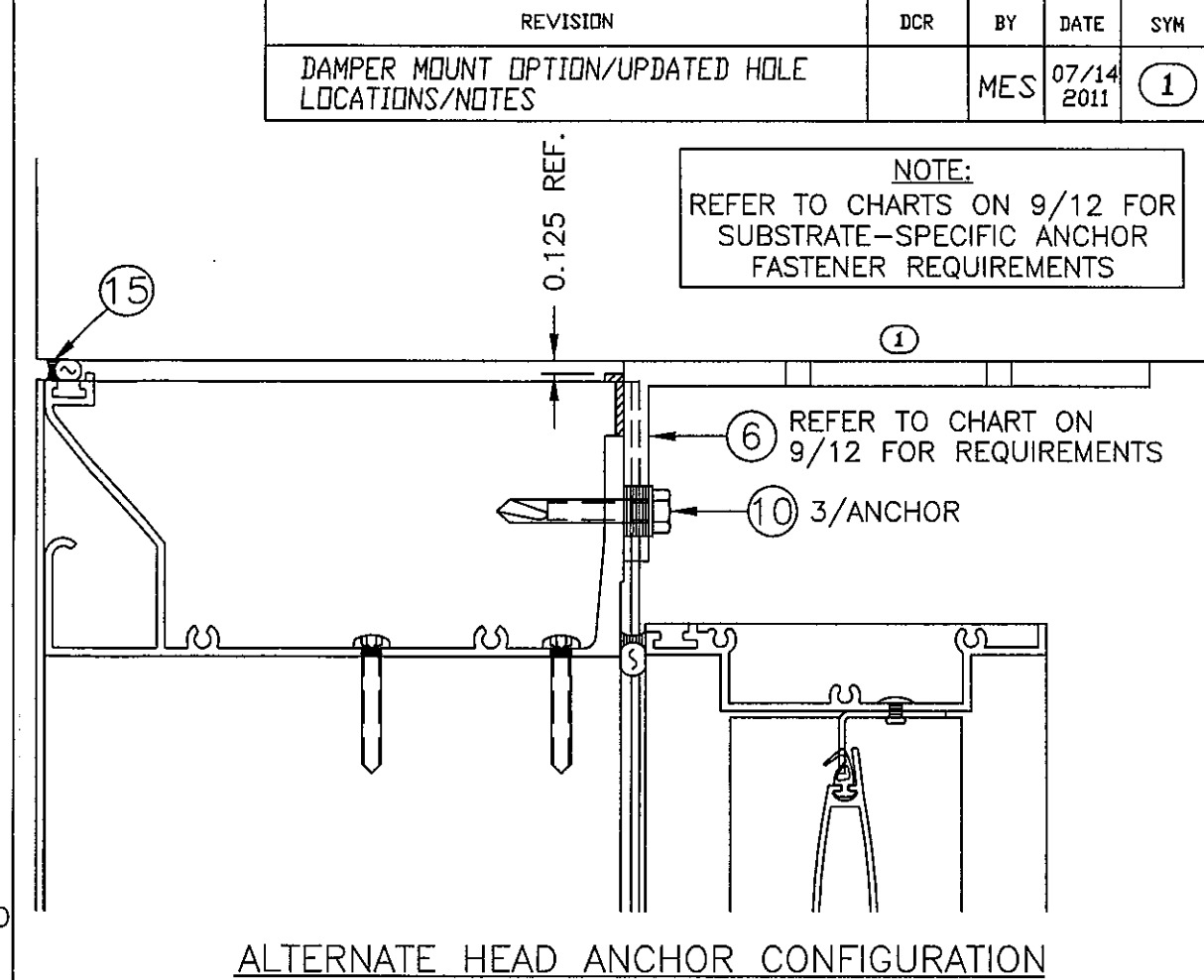
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Miami Dade Product Control



3
5/12 JAMB DETAIL



4
5/12 JAMB DETAIL



GREENHECK
P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410

EVH-602D LOUVER W/
VCD-40 DAMPER
JAMB AND ALTERNATE
ANCHORAGE DETAILS

5 OF 12

MD-101

DATE 6/19/2006

DRAWN BY BRINKMAN

SCALE 1/2

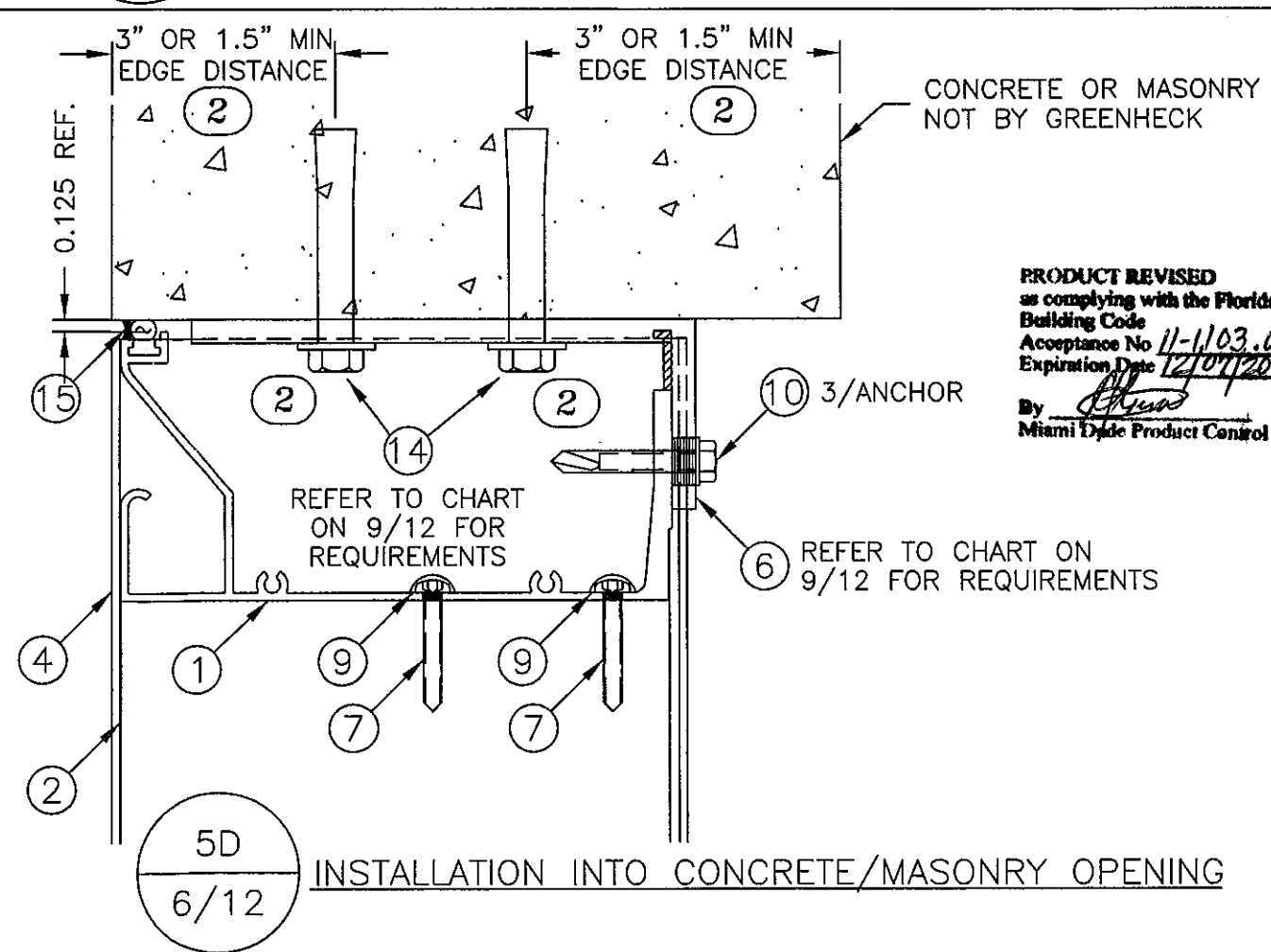
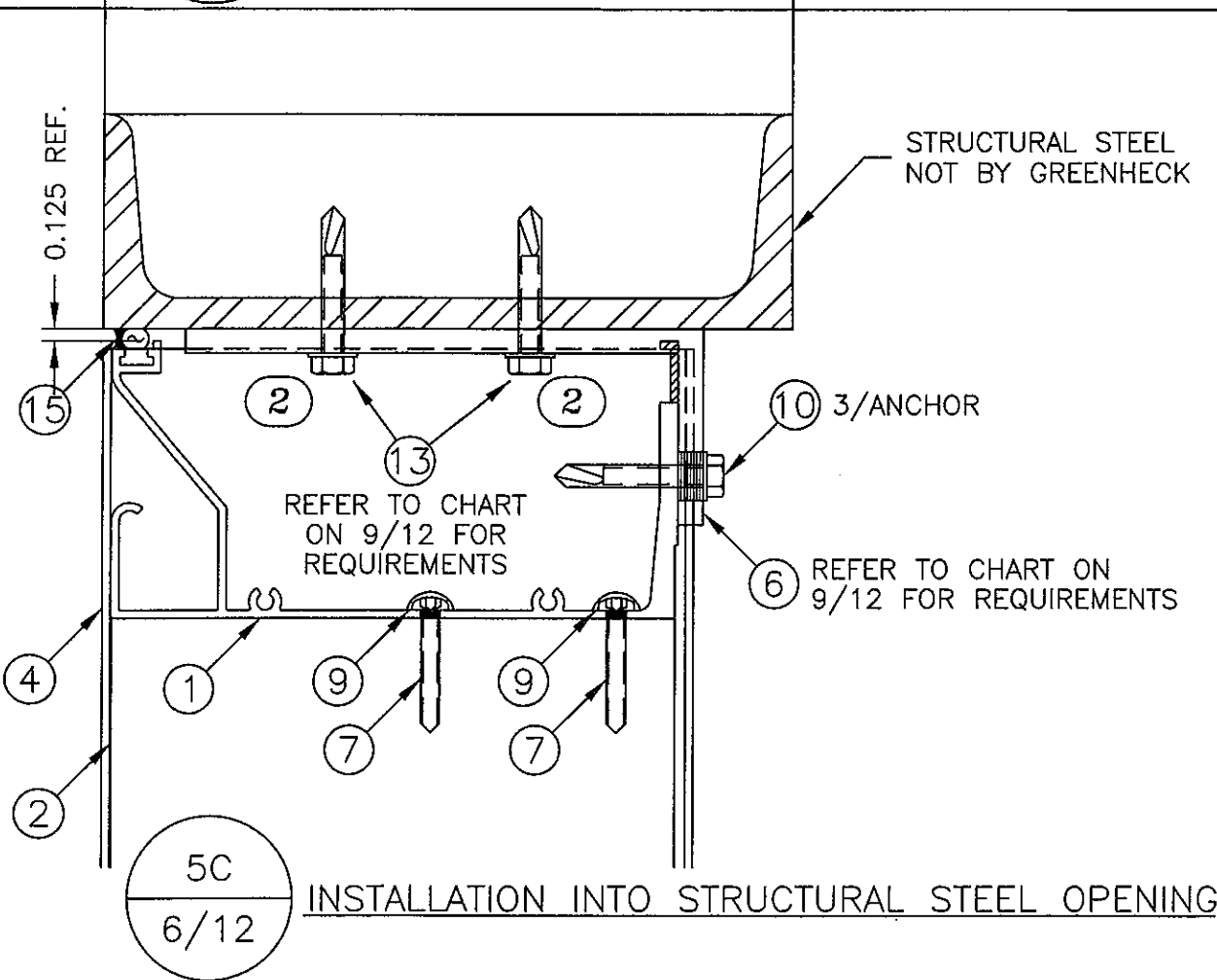
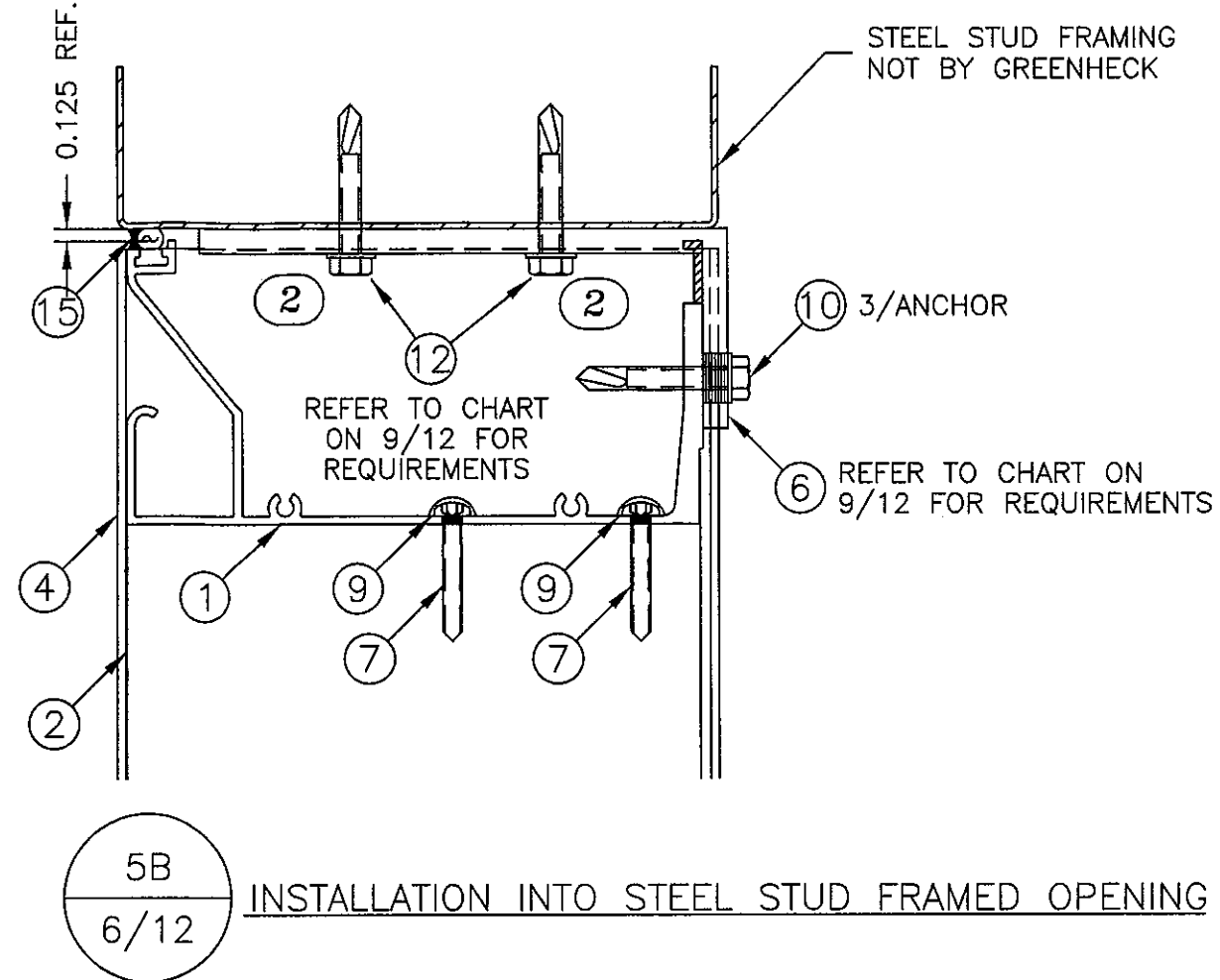
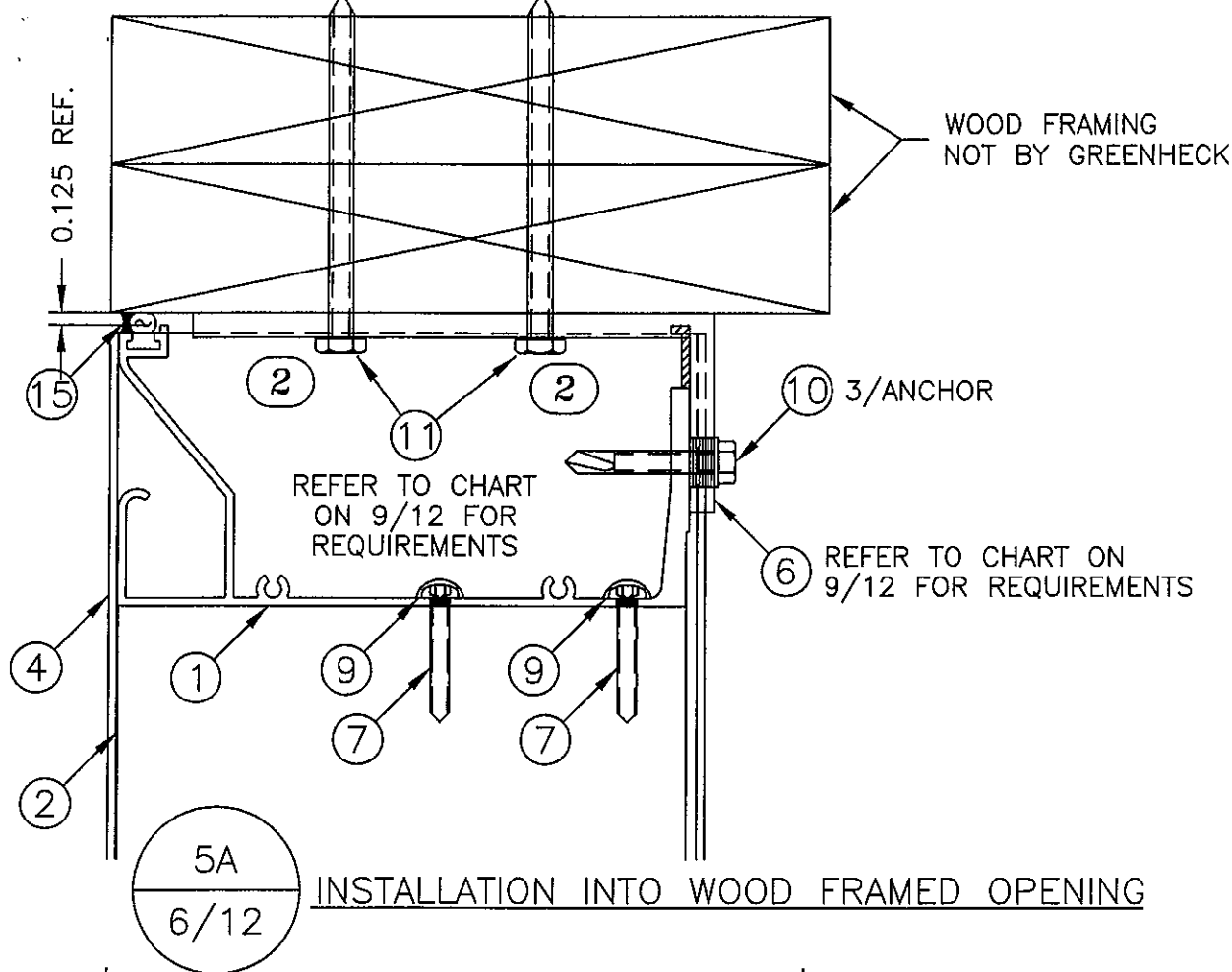
SHEET NO.

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L. DAVID RICE
LICENSE
No. 50923
Exp. 2/28/2013
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct. 28, 2011

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REVISION	BY	DATE	SYM
REVISED ANCHOR LOCATIONS	MES	07/14/2011	(2)

DRAWN BY: BRINKMAN
SCALE: 1/2
DATE: 6/19/2006

GREENHECK
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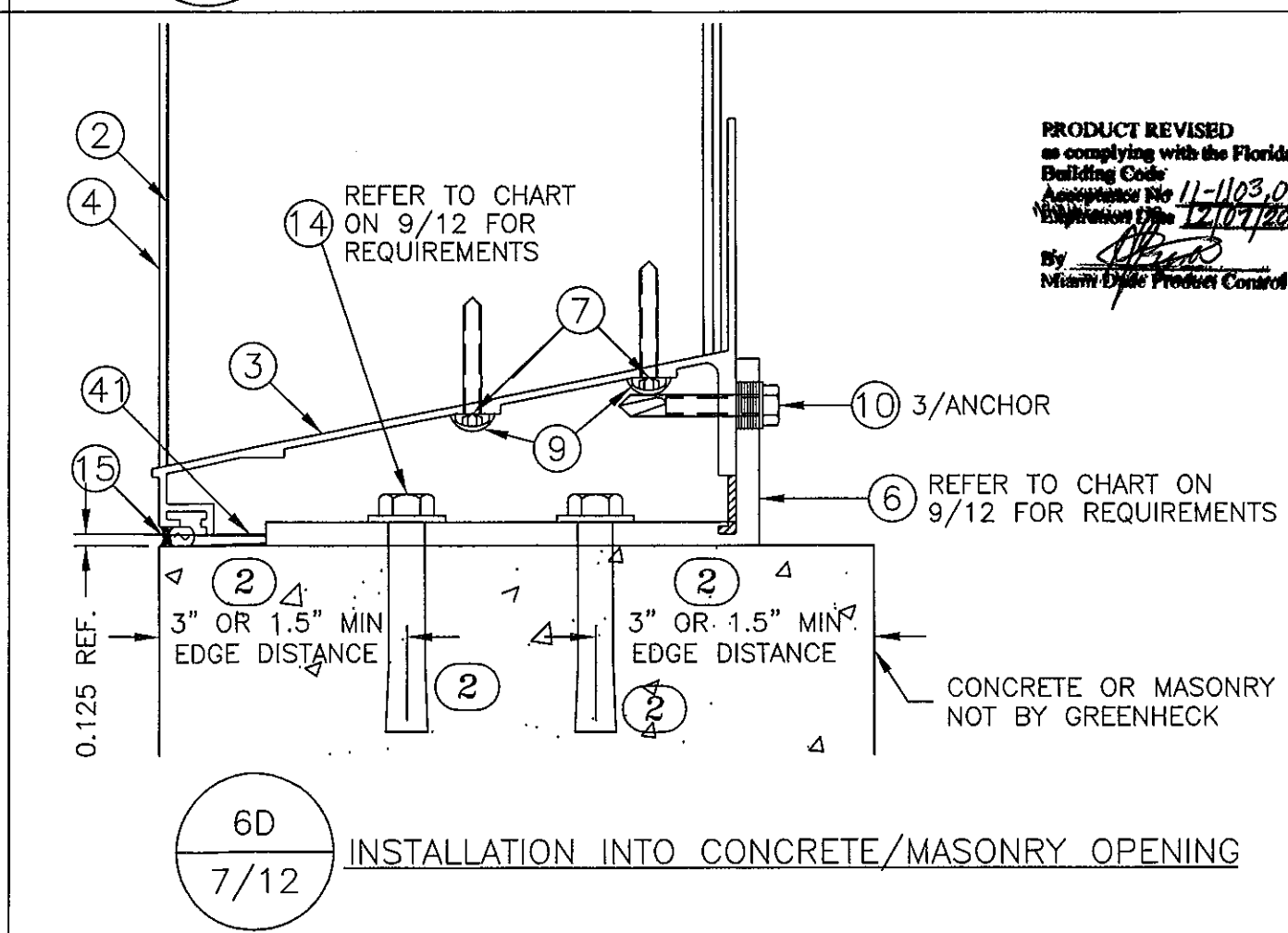
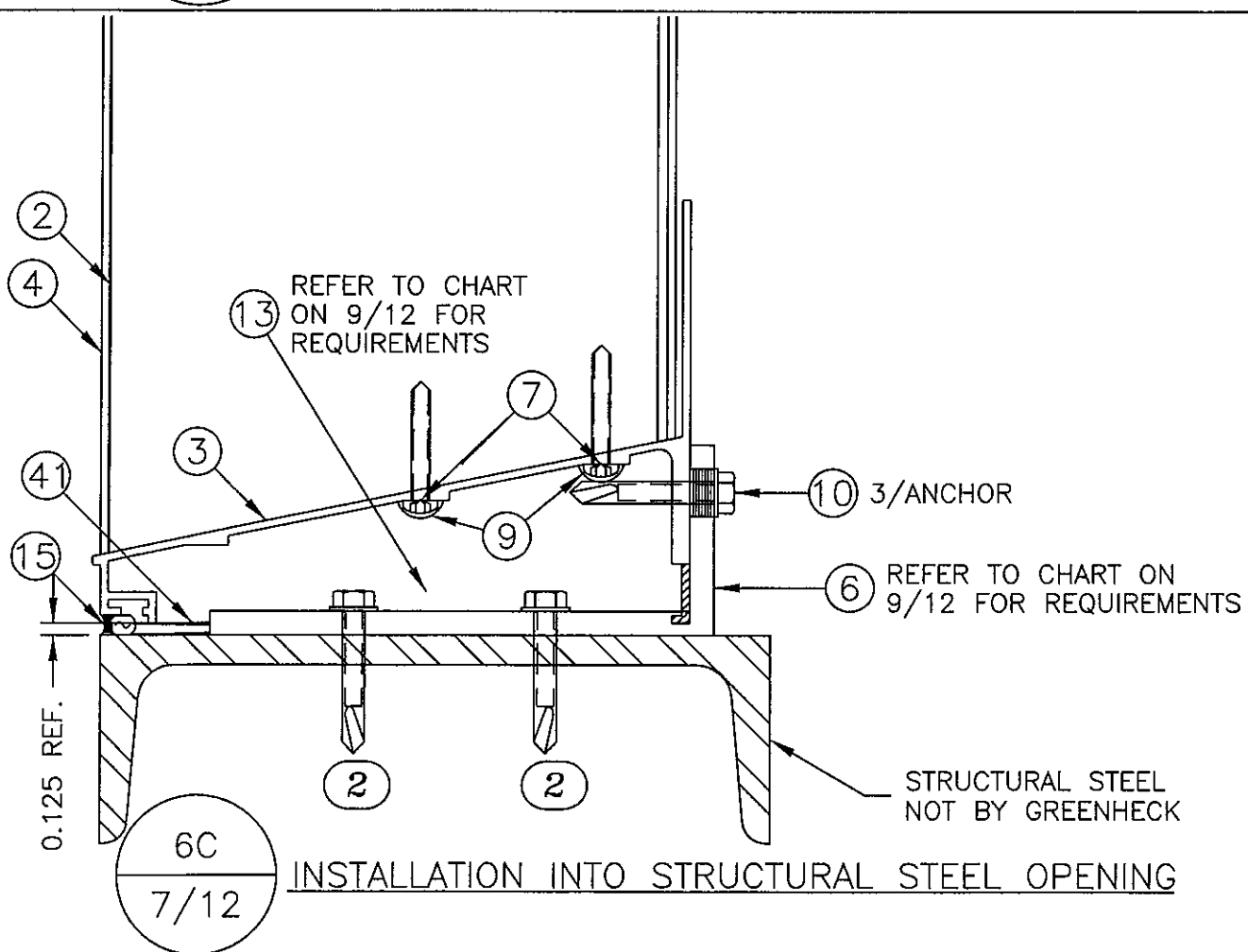
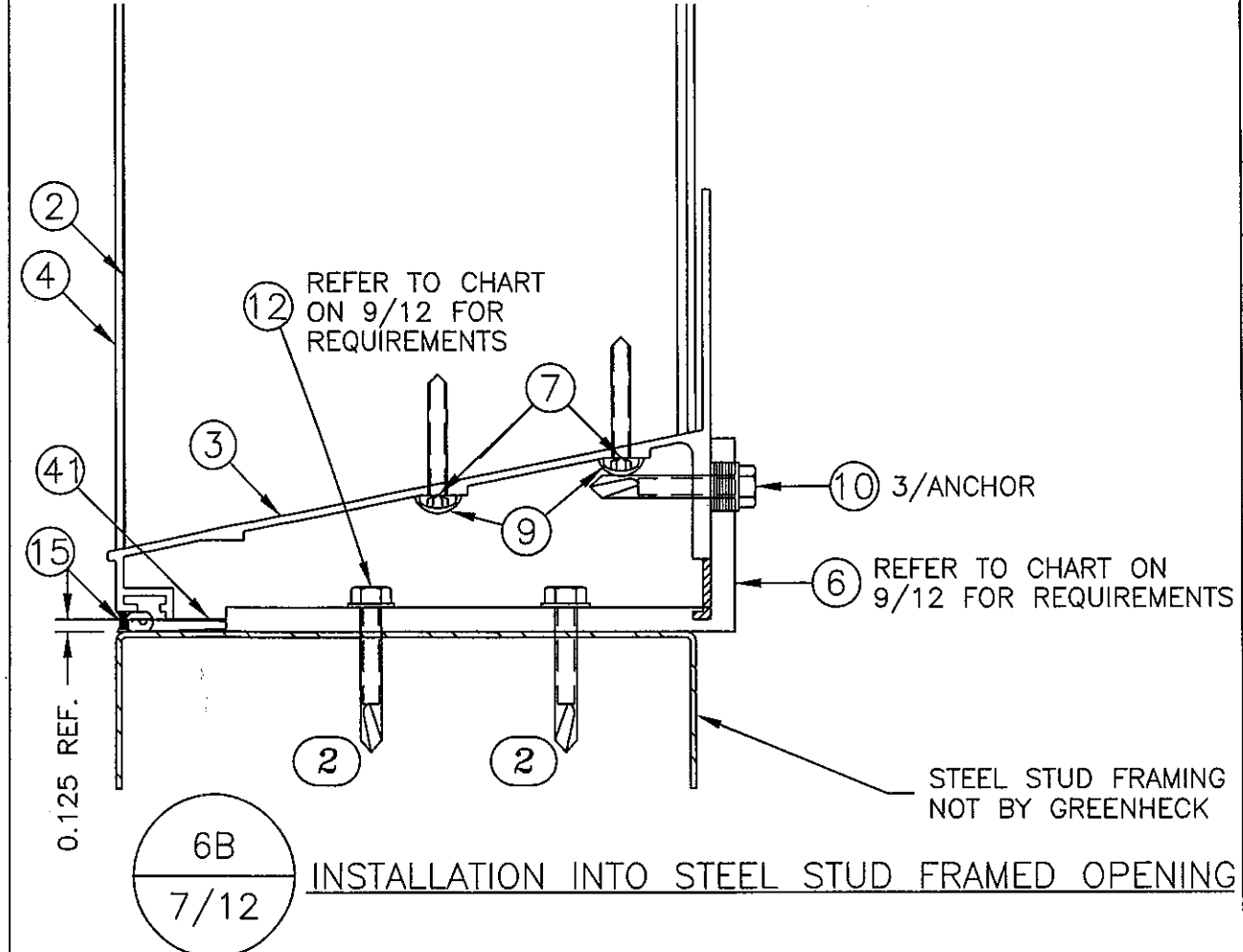
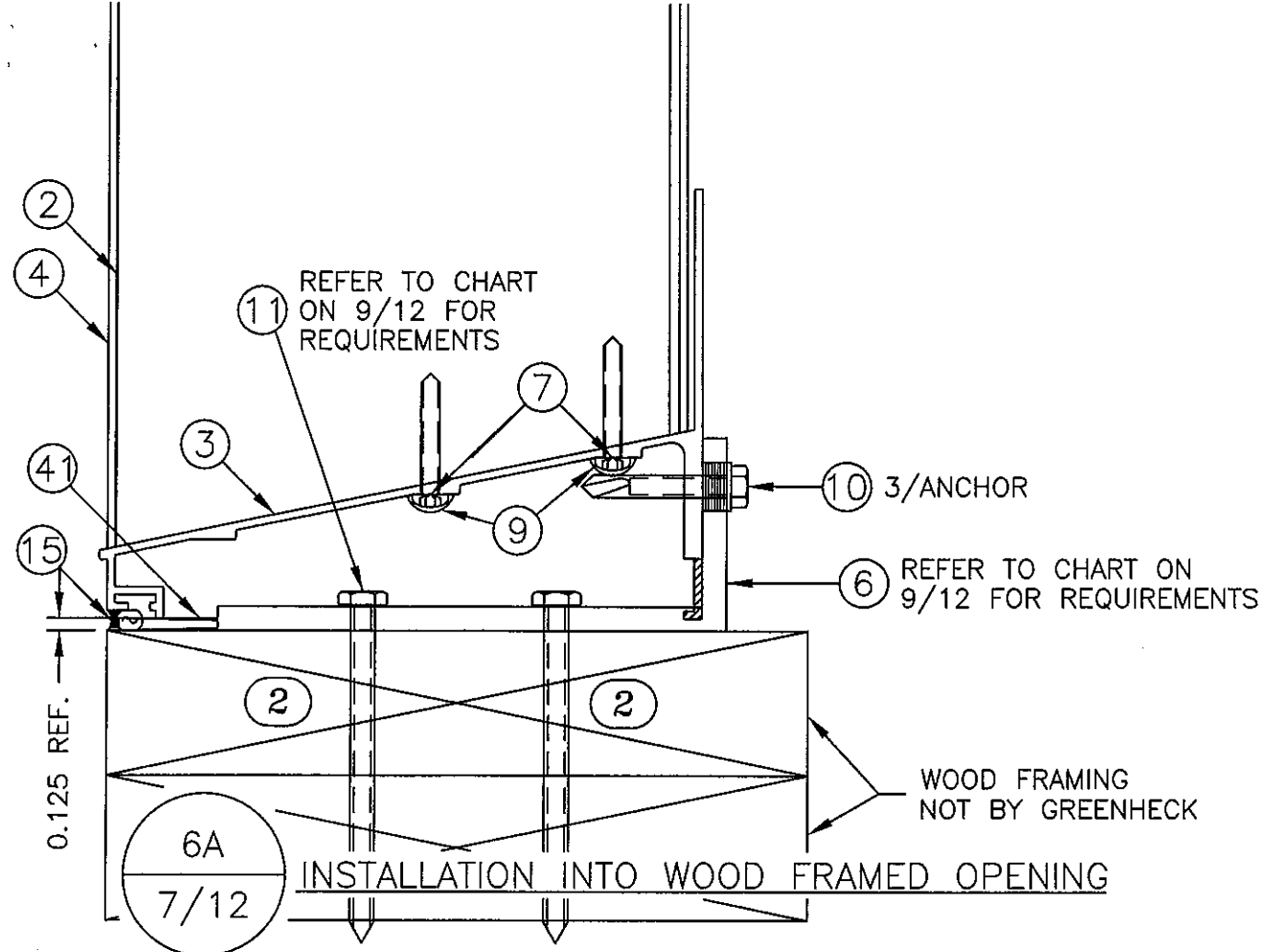
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923

TITLE: EVH-602D LOUVER HEAD DETAILS

SHEET NO. 6 OF 12

CAD DRAWING NO. MD-101

Oct. 28, 2011



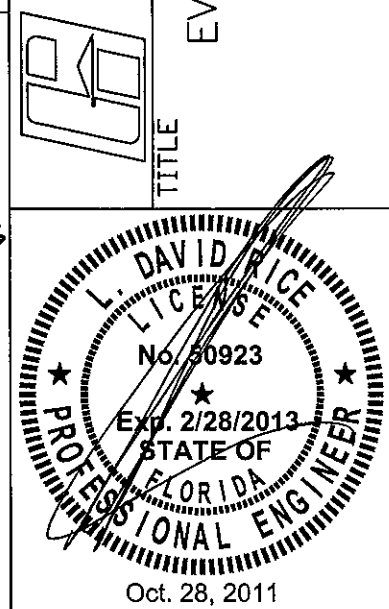
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BY	DATE	SYM
MES	07/14	2
DATE	6/19/2006	
DRAWN BY	BRINKMAN	
SCALE	1/2	
SHEET NO.	7 OF 12	
CAD DRAWING NO.	MD-101	

REVISION
REVISED ANCHOR LOCATIONS

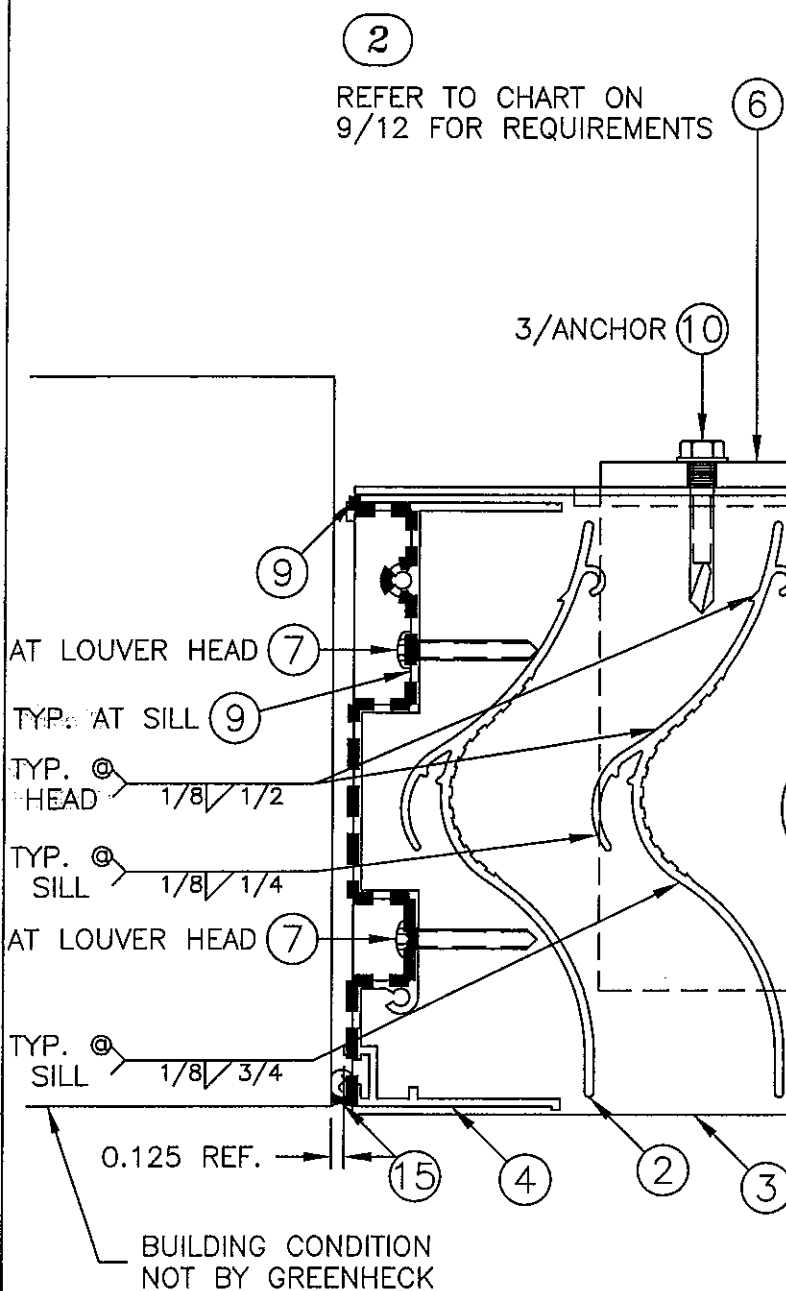
GREENHECK
P.O. BOX 410 SCHEFFIELD,
WISCONSIN 54476-0410

EVH-602D LOUVER
SILL DETAILS

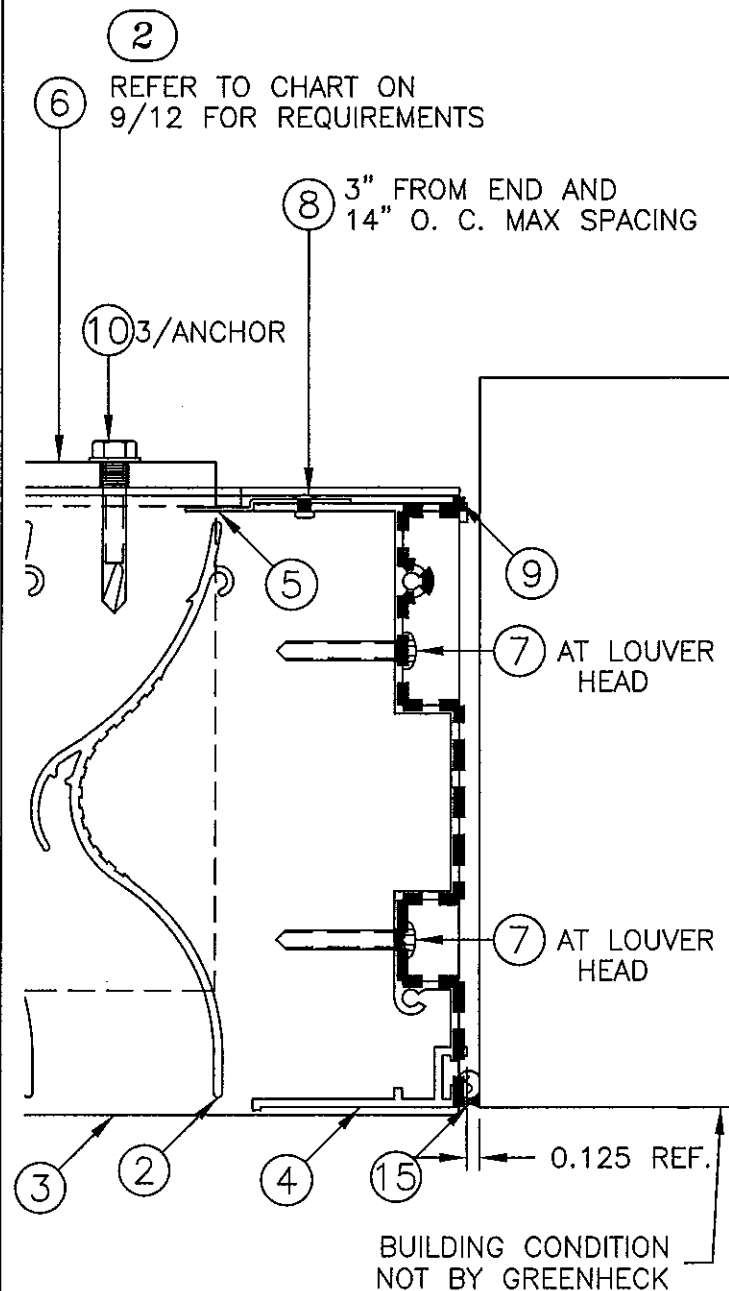


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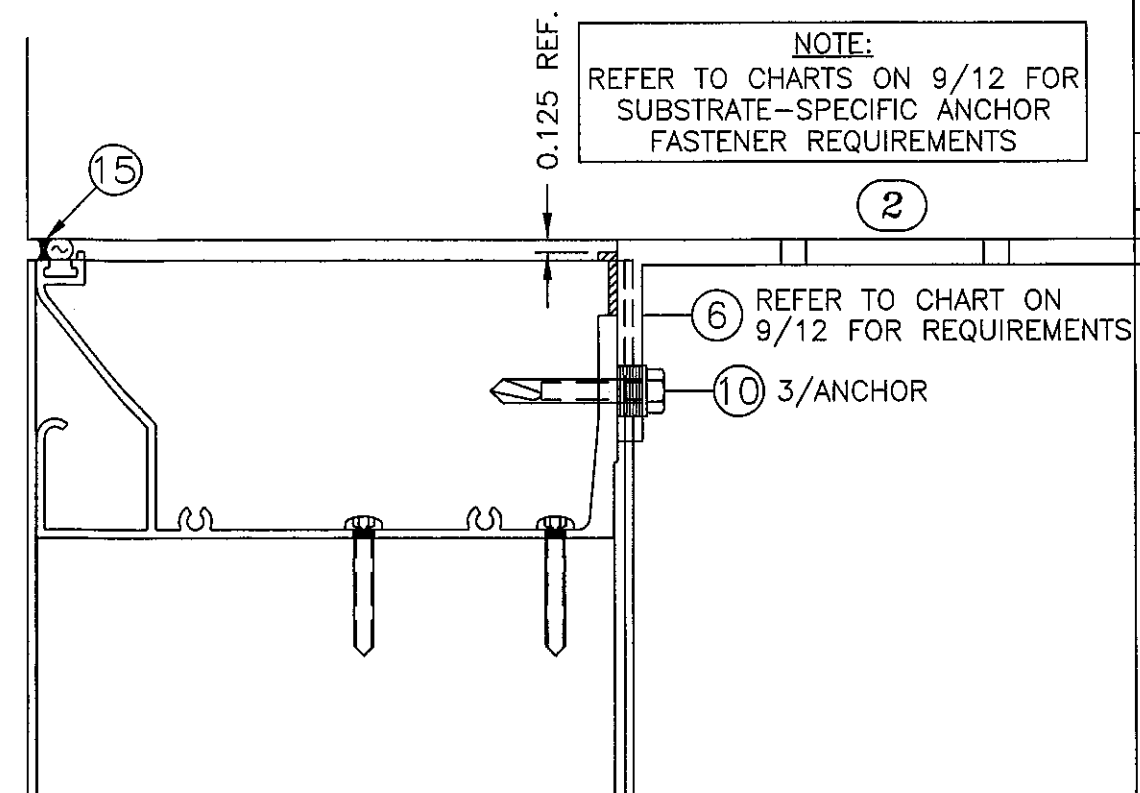
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
L. David Rice
Registration No: 50923



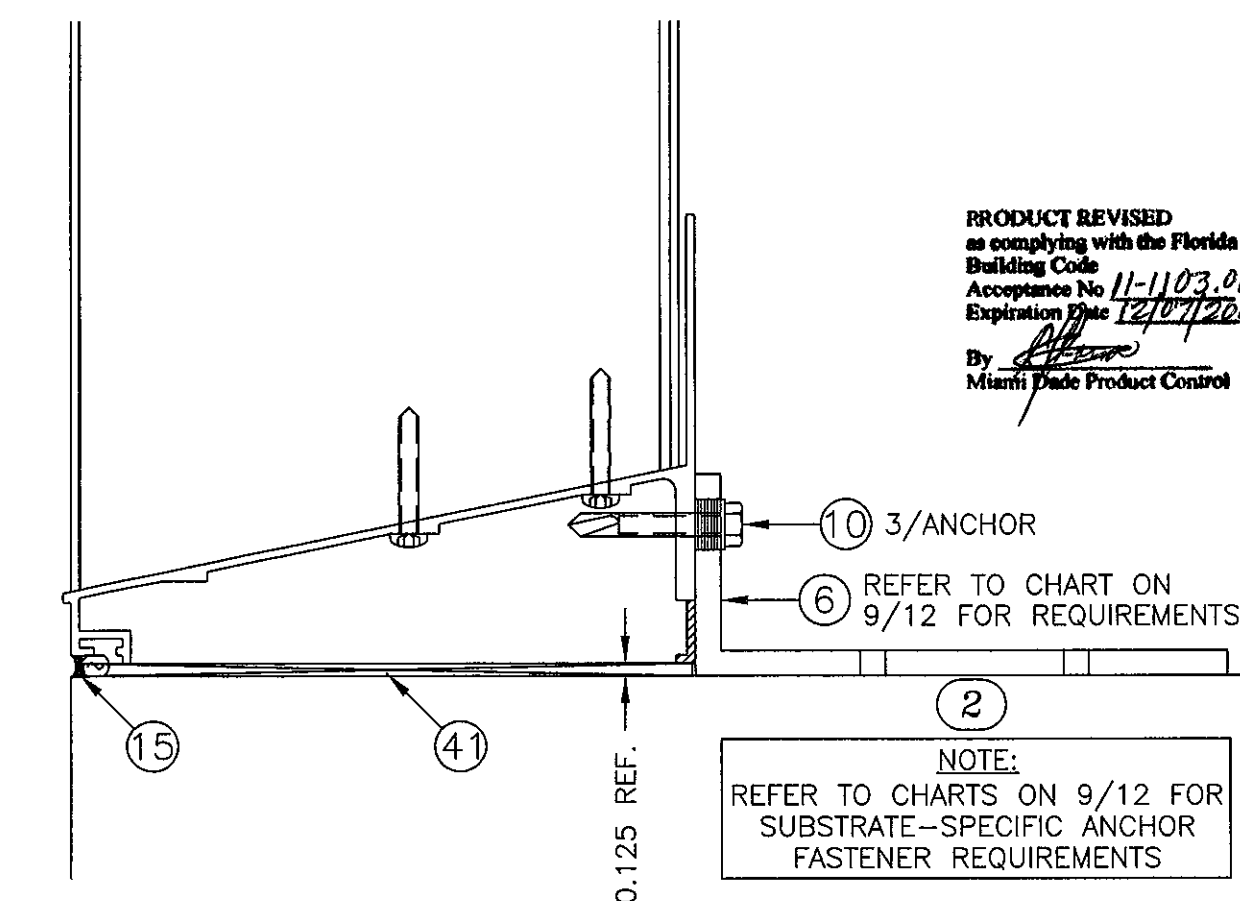
7
8/12 JAMB DETAIL



8
8/12 JAMB DETAIL



ALTERNATE HEAD ANCHOR CONFIGURATION



ALTERNATE SILL ANCHOR CONFIGURATION

REVISION	DATE	BY	SYMBOL
1	10/19/2006	CWC	

UPDATED HOLE LOCATIONS/NOTES

DRAWN BY: BRINKMAN

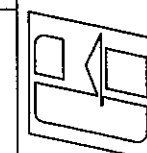
DATE: 6/19/2006

SCALE: 1/2

SHEET NO. 8 OF 12

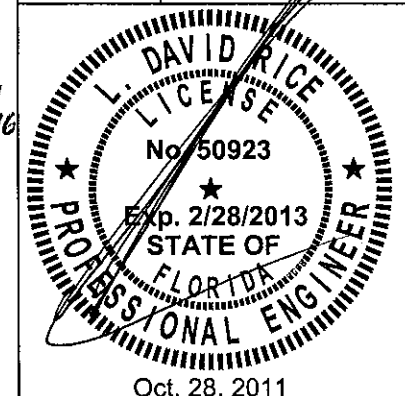
CAD DRAWING NO. MD-101

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EVH-602D LOUVER
JAMB AND ALTERNATE
ANCHORAGE DETAILS

PRODUCT REVISED
as complying with the Florida
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2

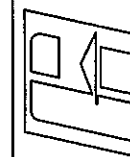
ANCHOR FASTENER REQUIREMENTS (ANCHORS BY OTHERS)					
NOM. WIDTH	ANCHOR QUANTITY PER HEAD/SILL	ANCHOR LENGTH	SUBSTRATE (MINIMUMS)	ITEM #	QUANTITY PER ANCHOR
12" THRU 14"	1	8.0"	WOOD, SG=0.42 SPF	11	2
			STEEL STUD, 16GA	12	4
			STRUCTURAL STEEL, 1/4" THICK	13	3
			CONCRETE, 2500 PSI MIN	14A	2
			MASONRY, 2000 PSI, GROUTED	14B	8
>14" THRU 18"	1	10.0"	WOOD, SG=0.42 SPF	11	2
			STEEL STUD, 16GA	12	5
			STRUCTURAL STEEL, 1/4" THICK	13	4
			CONCRETE, 2500 PSI MIN	14A	3
			MASONRY, 2000 PSI, GROUTED	14B	10
>18" THRU 24"	1	12.0"	WOOD, SG=0.42 SPF	11	2
			STEEL STUD, 16GA	12	7
			STRUCTURAL STEEL, 1/4" THICK	13	5
			CONCRETE, 2500 PSI MIN	14A	4
			MASONRY, 2000 PSI, GROUTED	14B	12
>24" THRU 28"	2	8.0"	WOOD, SG=0.42 SPF	11	2
			STEEL STUD, 16GA	12	4
			STRUCTURAL STEEL, 1/4" THICK	13	3
			CONCRETE, 2500 PSI MIN	14A	2
			MASONRY, 2000 PSI, GROUTED	14B	8
>28" THRU 36"	2	10.0"	WOOD, SG=0.42 SPF	11	2
			STEEL STUD, 16GA	12	5
			STRUCTURAL STEEL, 1/4" THICK	13	4
			CONCRETE, 2500 PSI MIN	14A	3
			MASONRY, 2000 PSI, GROUTED	14B	10
>36" THRU 48.25"	2	12.0"	WOOD, SG=0.42 SPF	11	2
			STEEL STUD, 16GA	12	7
			STRUCTURAL STEEL, 1/4" THICK	13	5
			CONCRETE, 2500 PSI MIN	14A	4
			MASONRY, 2000 PSI, GROUTED	14B	12

2

ANCHOR FASTENER REQUIREMENTS (ANCHORS BY OTHERS)				
ITEM #	DESCRIPTION	MIN. EMBED.	MIN. EDGE DIST.	MIN. SPACING
11	1/4" Ø WOOD SCREW, PLATED OR SS	3"	1"	1"
12	1/4-14 SCREW, AISI 1022, PLATED OR SS	0.06" (16GA)	3/8"	3/4"
13	1/4-20 DRILL-FLEX/KWIK-FLEX, PLATED OR SS	1/4"	3/8"	3/4"
14A	3/8" HILTI KWIK BOLT 3 ANCHORS, PLATED OR SS	2"	3"	3.6"
14B	1/4" ITW TAPCONS, PLATED OR SS	1 1/2"	1 1/2"	2"

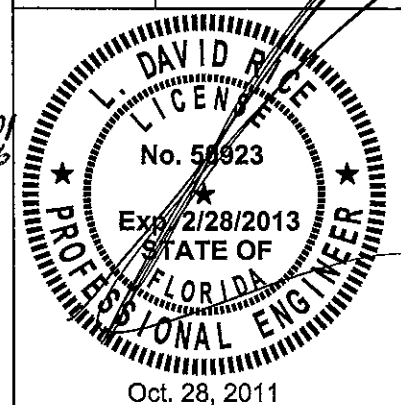
REVISION	BY	DATE	SYM
	MES	07/14/2011	(2)
NEW FASTENER TABLES	DRAWN BY	DATE	
	BRINKMAN	6/19/2006	
	SCALE		
	SHEET NO.	9 OF 12	
	CAD DRAWING NO.	MD-101	

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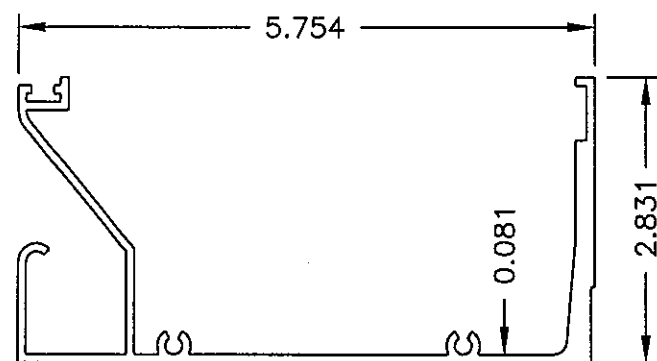
TITLE
EVH-602D LOUVER W/
VCD-40 DAMPER
AND EVH-602D LOUVER
ANCHOR REQUIREMENTS

PRODUCT REVISED
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Acceptance No 11-1103.01
Expiration Date 12/07/2016
By *[Signature]*
Miami Date Product Control

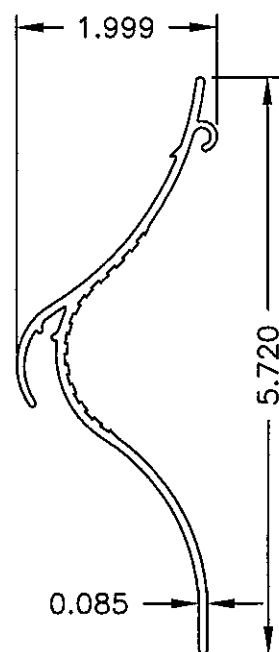


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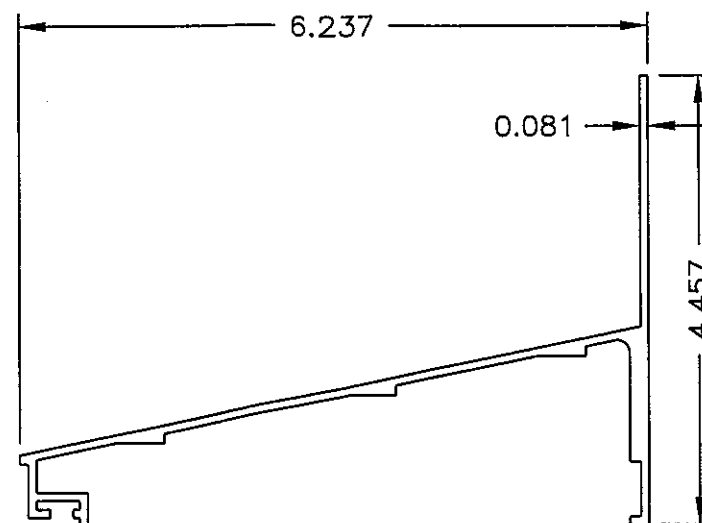
Florida Firm No: F-01000005061
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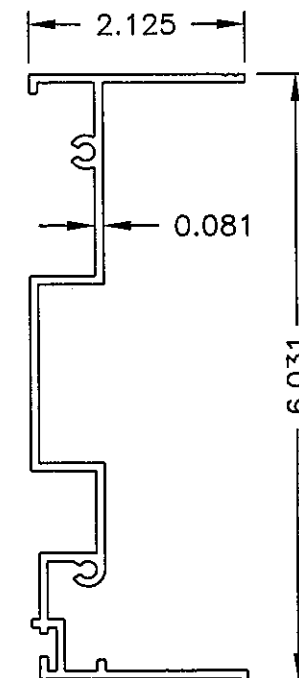
1 LOUVER HEAD
6063-T5 ALUMINUM



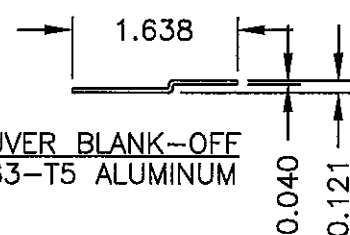
2 LOUVER BLADE
6063-T5 ALUMINUM



3 LOUVER SILL
6063-T5 ALUMINUM



4 LOUVER JAMB
6063-T5 ALUMINUM



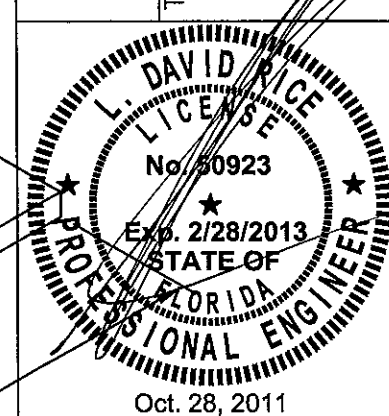
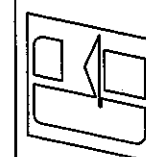
5 LOUVER BLANK-OFF
6063-T5 ALUMINUM

6A ANCHOR (8.0 LONG)
6063-T5 ALUMINUM

6B ANCHOR (10.0 LONG)
6063-T5 ALUMINUM

REVISION	BY	DATE	SYM
ADD MIN DIM AND REVISE LENGTH	CWC	10/19/2006	1
UPDATED ANGLES	MES	07/14/2011	2

DRAWN BY
BRINKMAN
SCALE
1/2
SHEET NO.
10 OF 12

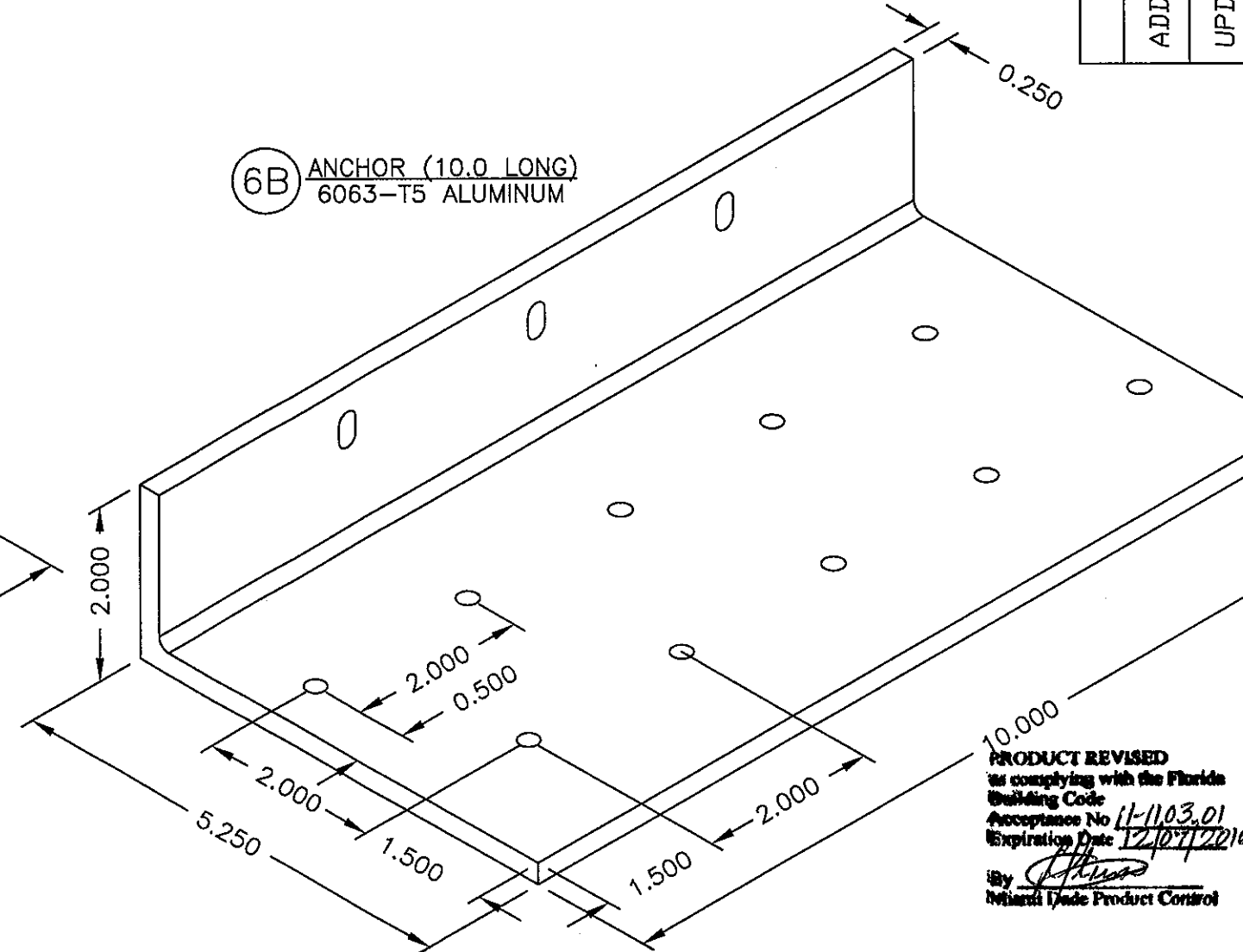
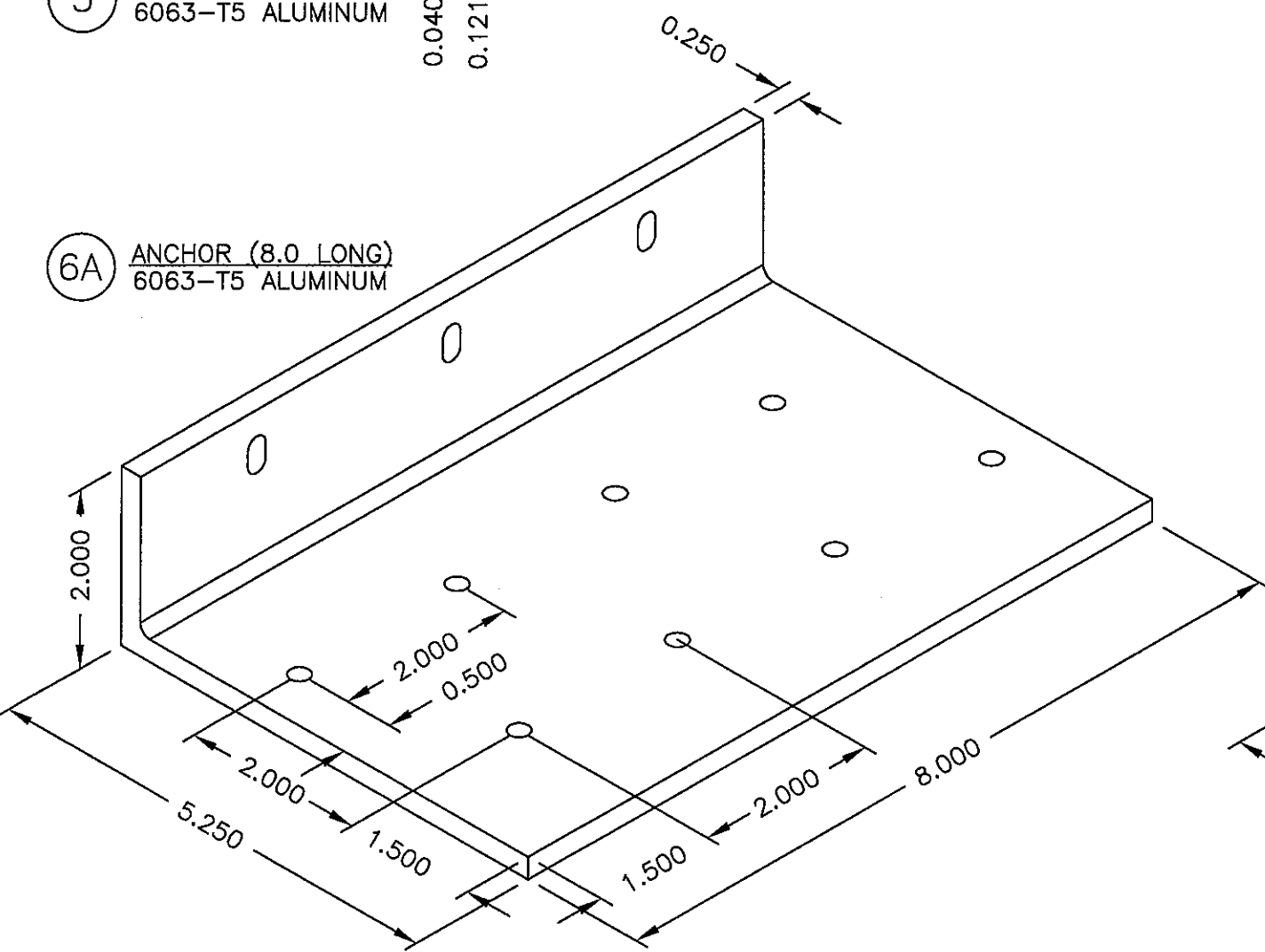


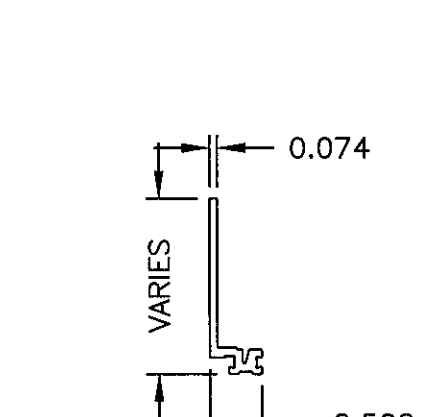
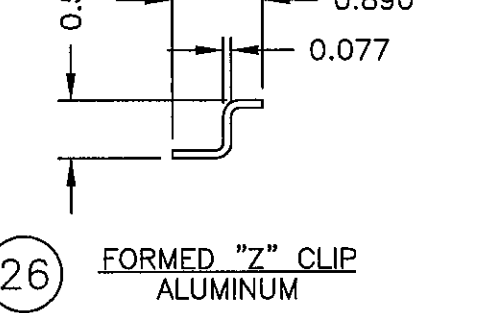
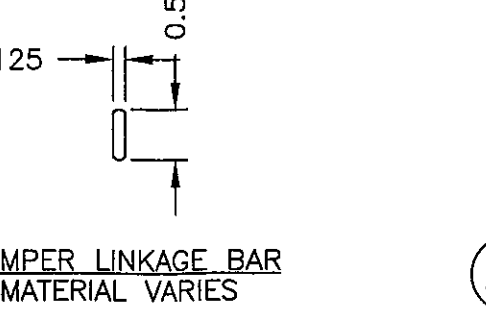
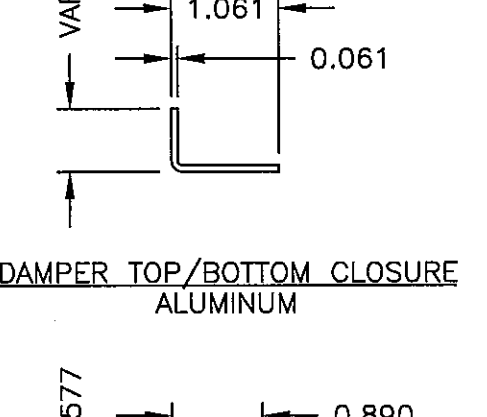
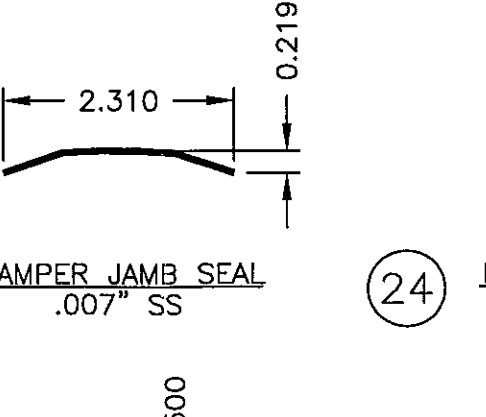
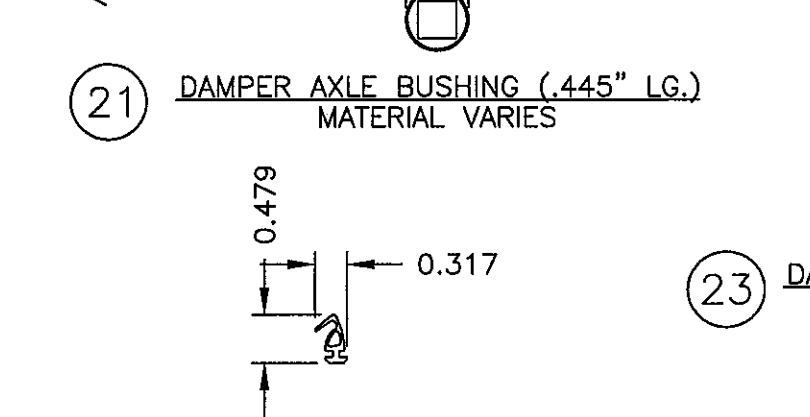
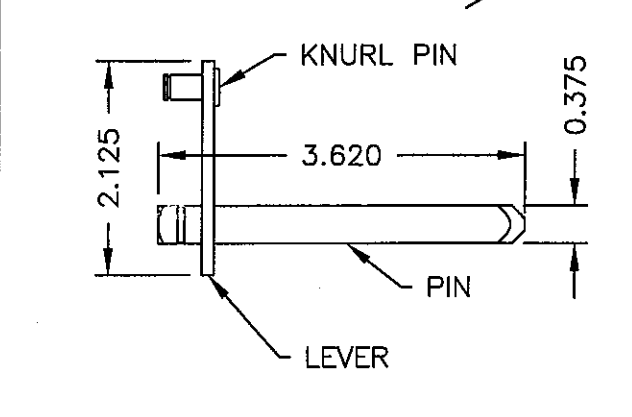
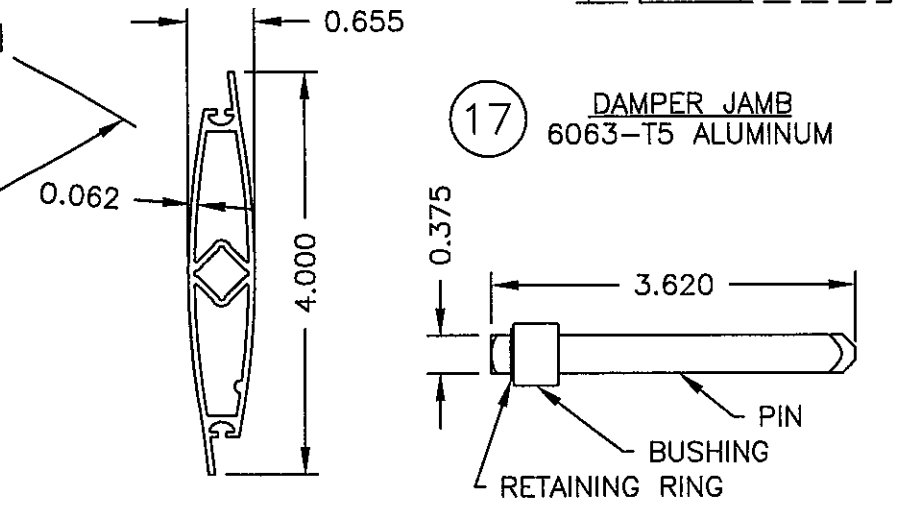
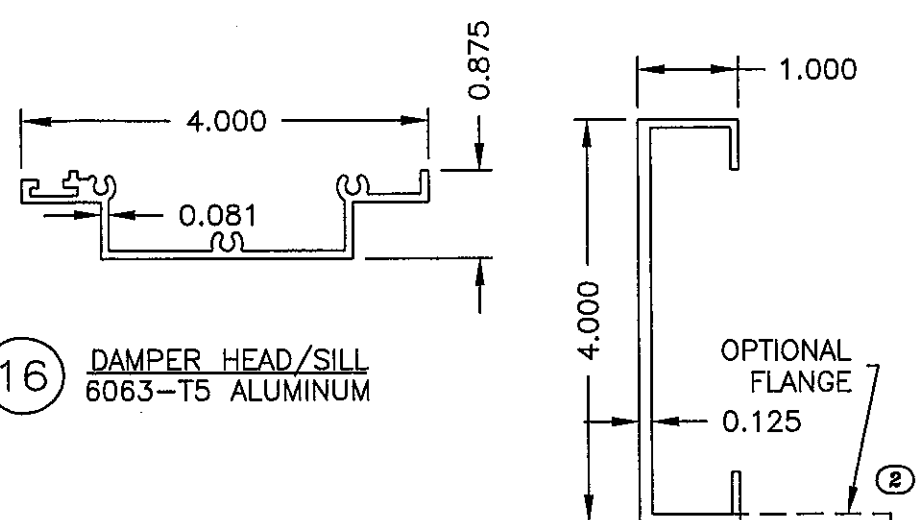
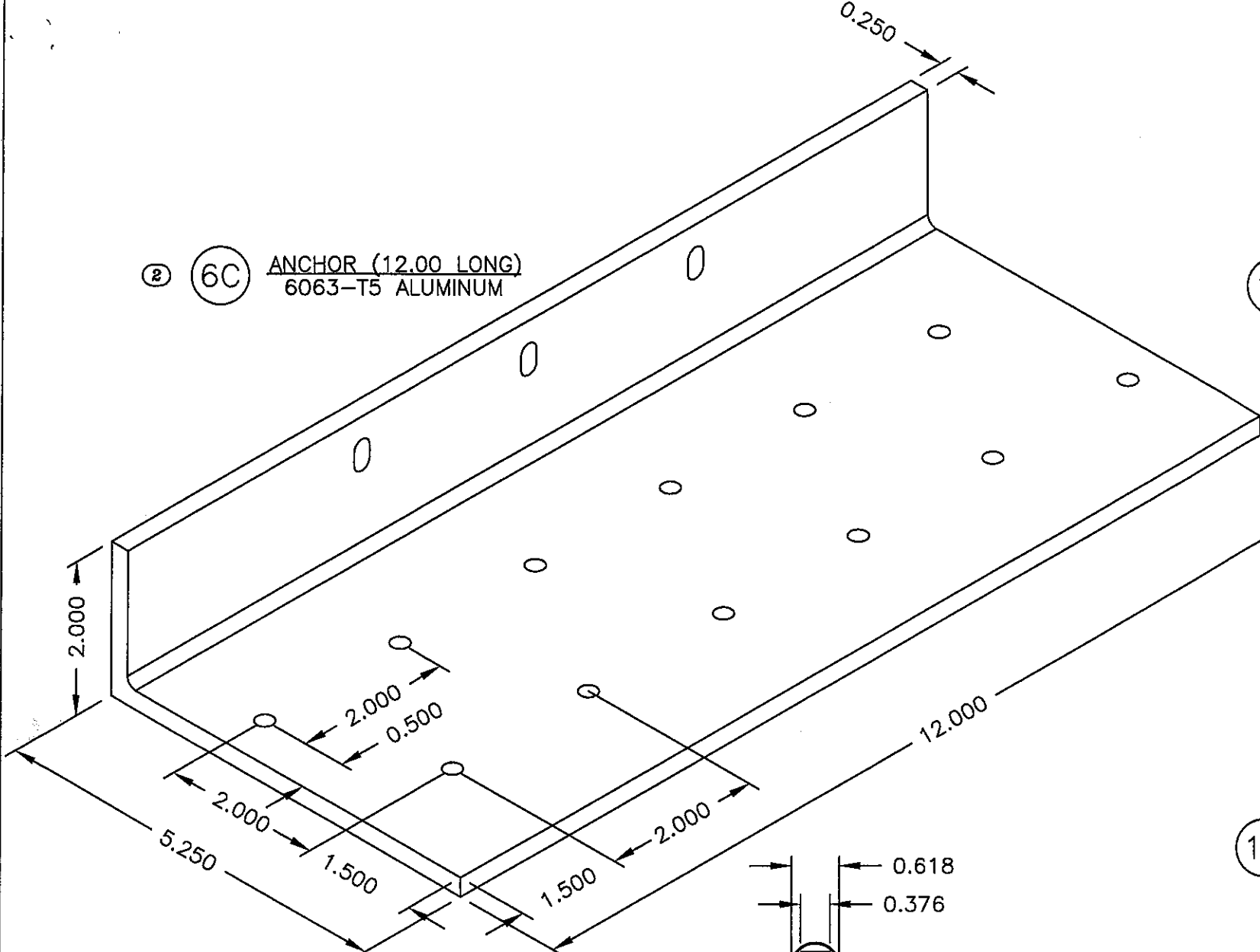
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② 6C ANCHOR (12.00 LONG)
6063-T5 ALUMINUM

①⑥ DAMPER HEAD/SILL
6063-T5 ALUMINUM

①⑦ DAMPER JAMB
6063-T5 ALUMINUM

①⑧ DAMPER BLADE
6063-T5 ALUMINUM

①⑨ NON-DRIVE DAMPER AXLE ASSY.
MATERIAL VARIES

②⑩ DRIVE-SIDE DAMPER AXLE ASSY.
MATERIAL VARIES

②⑪ DAMPER BLADE SEAL
MATERIAL VARIES

②③ DAMPER JAMB SEAL
.007" SS

②④ DAMPER TOP/BOTTOM CLOSURE
ALUMINUM

②⑤ DAMPER LINKAGE BAR
MATERIAL VARIES

②⑥ FORMED "Z" CLIP
ALUMINUM

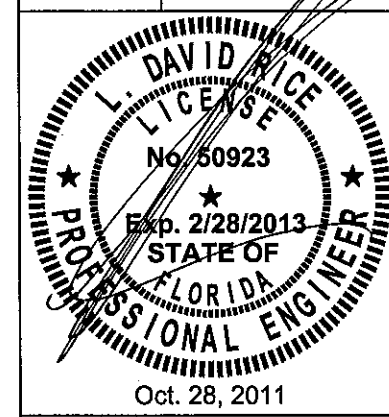
④② OPTIONAL FLANGE
6063-T5 ALUMINUM

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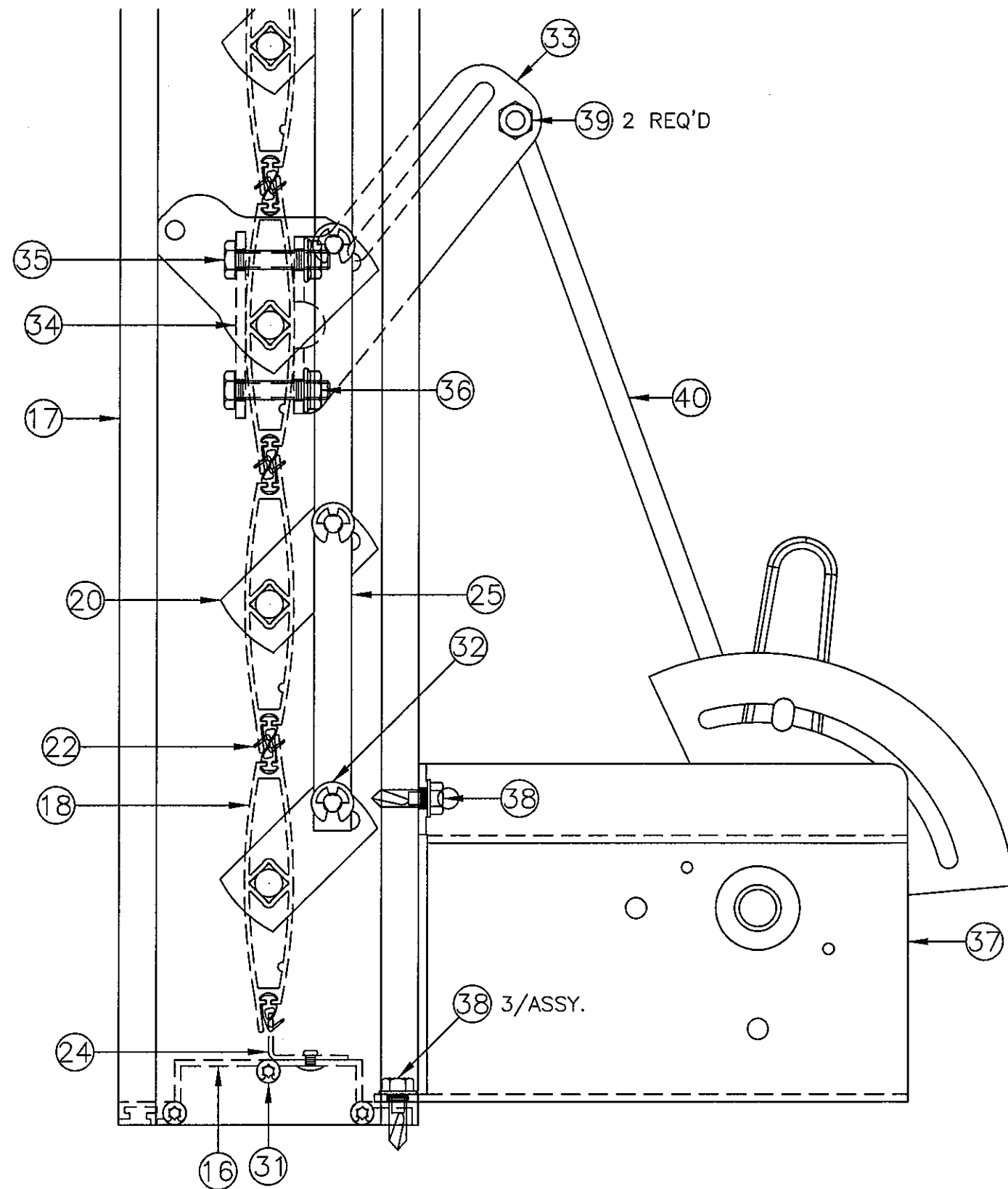
REVISION	BY	DATE	SYM
ADD MIN DIM	CWC	10/19/2006	①
FLANGE OPTION / UPDATED ANGLE	CWC	7/14/2011	②

DRAWN BY BRINKMAN	DATE 6/19/2006
SCALE 1/2	REVISION DATE
SHEET NO. 11 OF 12	
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MANUAL QUAD DAMPER ACTUATOR

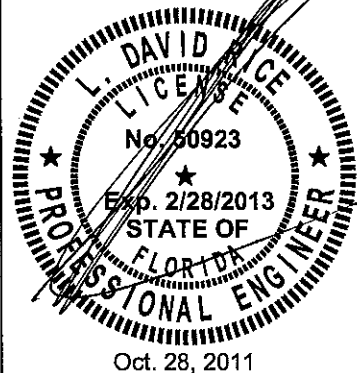
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VCD-40 DAMPER
MANUAL QUAD ACTUATOR

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SCALE 1/2
SHEET NO. 12 OF 12
DATE 6/19/2006
CAD DRAWING NO. MD-101